# HCD-DZ260/DZ270/HDZ278

# SERVICE MANUAL

*US Model*
*Canadian Model*
*HCD-HDZ278*
*AEP Model*
*UK Model*
*HCD-DZ260*
*E Model*
*Australian Model*
*HCD-DZ270*

Self Diagnosis Supported model

**Ver. 1.0 2008.01**

Photo : HCD-DZ270

- HCD-DZ260/DZ270/HDZ278 are the amplifier, DVD/CD and tuner section in DAV-DZ260/DZ270/HDZ278.

This system incorporates with Dolby* Digital and Dolby Pro Logic (II) adaptive matrix surround decoder and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.
"Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

** Manufactured under license from DTS, Inc.
"DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc.

| | |
|---|---|
| Model Name Using Similar Mechanism | HCD-DZ230/DZ231/HDZ235 |
| Mechanism Type | CDM85-DVBU102 |
| Optical Pick-up Name | KHM-313CAA |

## SPECIFICATIONS

### AUDIO POWER SPECIFICATIONS for the US model (HDZ278)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 3 ohms loads, both channels driven, from 180 - 20,000 Hz; rated 84 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milli watts to rated output.

### Amplifier Section

US models:

Surround mode (reference) RMS output power
FL/FR/C/SL/SR*: 142 watts (per channel at 3 ohms, 1 kHz, 10% THD)
Subwoofer*: 140 watts (at 3 ohms, 80 Hz, 10% THD)

Chinese models:

Surround mode (reference) RMS output power
FL/FR/C/SL/SR*: 100 watts (per channel at 3 ohms, 1 kHz)
Subwoofer*: 100 watts (at 3 ohms, 80 Hz)

Other models:

Stereo mode (rated) 108 W + 108 W (at 3 ohms, 1 kHz, 1% THD)

Surround mode (reference) RMS output power
FL/FR/C/SL/SR*: 142 watts (per channel at 3 ohms, 1 kHz, 10% THD)
Subwoofer*: 140 watts (at 3 ohms, 80 Hz, 10% THD)

** Depending on the decoding mode settings and the source, there may be no sound output.*

Inputs (Analog) (DZ260)
TV (AUDIO IN) Sensitivity: 450/250 mV
AUDIO IN Sensitivity: 250/125 mV
Inputs (Digital) (DZ260)
TV (COAXIAL IN/OPTICAL IN)
Impedance: 75 ohms/-
Inputs (Analog) (DZ270/HDZ278)
TV/VIDEO (AUDIO IN) Sensitivity: 450/250 mV
AUDIO IN Sensitivity: 250/125 mV
Inputs (Digital) (HDZ278)
TV/VIDEO (COAXIAL IN/OPTICAL IN)
Impedance: 75 ohms/-
Outputs (Analog)
Phones Accepts low- and high-impedance headphones.

### Super Audio CD/DVD System

Laser Semiconductor laser
(Super Audio CD/DVD: λ = 650 nm)
(CD: λ = 790 nm)
Emission duration: continuous

Signal format system
North American, Mexican, and Latin American models: NTSC
Other models: NTSC/PAL

### USB Section (DZ260/DZ270)

Supported bit rate
MP3 (MPEG 1 Audio Layer-3): 32 kbps - 320 kbps
WMA: 48 kbps - 192 kbps
AAC: 48 kbps - 320 kbps
Sampling frequencies
MP3 (MPEG 1 Audio Layer-3): 32/44.1/48 kHz
WMA: 44.1 kHz
AAC: 44.1 kHz
(USB) port:
Maximum current: 500 mA

### Tuner Section

System PLL quartz-locked digital synthesizer

FM tuner section
Tuning range
North American models: 87.5 MHz - 108.0 MHz (100 kHz step)
Other models: 87.5 MHz - 108.0 MHz (50 kHz step)

– Continued on next page –

DVD RECEIVER

**9-887-958-01**
2008A04-1
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**Sony Corporation**
**Audio Business Group**
**Published by Sony Techno Create Corporation**

SONY

| | |
|---|---|
| Antenna (aerial) | FM wire antenna (aerial) |
| Antenna (aerial) terminals | 75 ohms, unbalanced |
| Intermediate frequency | 10.7 MHz |
| AM tuner section | |
| Tuning range | |
| North American, Mexican, and Latin American models: | |
| | 530 kHz - 1,710 kHz (with the interval set at 10 kHz) |
| | 531 kHz - 1,710 kHz (with the interval set at 9 kHz) |
| European, Russian, and Middle Eastern models: | |
| | 531 kHz - 1,602 kHz (with the interval set at 9 kHz) |
| Australian and New Zealand models: | |
| | 531 kHz - 1,710 kHz (with the interval set at 9 kHz) |
| | 530 kHz - 1,710 kHz (with the interval set at 10 kHz) |
| Other models: | 531 kHz - 1,602 kHz (with the interval set at 9 kHz) |
| | 530 kHz - 1,610 kHz (with the interval set at 10 kHz) |
| Antenna (aerial) | AM loop antenna (aerial) |
| Intermediate frequency | 450 kHz |

### Video Section (DZ260)

| | |
|---|---|
| Outputs | R/G/B: 0.7 Vp-p 75 ohms |
| | HDMI OUT: Type A (19 pin) |

### Video Section (DZ270/HDZ278)

| | |
|---|---|
| Outputs | VIDEO: 1 Vp-p 75 ohms |
| | COMPONENT: |
| | Y: 1 Vp-p 75 ohms |
| | PB/CB, PR/CR: 0.7 Vp-p 75 ohms |
| | HDMI OUT: Type A (19 pin) |

### General

| | |
|---|---|
| Power requirements | |
| North American models: | 120 V AC, 60 Hz |
| Mexican models: | 120 V AC, 60 Hz |
| Argentine models: | 20 V - 240 V AC, 50/60 Hz |
| Latin American models: | 110 V - 240 V AC, 50/60 Hz |
| Other models: | 220 V - 240 V AC, 50/60 Hz |
| Power consumption | |
| HDZ278: | On: 155 W |
| | Standby: 0.3 W (at the Power Saving mode) |
| DZ260/DZ270: | On: 160 W |
| | Standby: 0.3 W (at the Power Saving mode) |
| Output voltage (DIGITAL MEDIA PORT) | |
| (DZ260/HDZ278 only) | DC 5 V |
| Output current (DIGITAL MEDIA PORT) | |
| (DZ260/HDZ278 only) | 700 mA |
| Dimensions (approx.) | 430 mm × 66 mm × 385 mm (17 in × 2 5/8 in × 15 1/4 in) (w/h/d) incl. projecting parts |
| Mass (approx.) | 4.2 kg (9 lb 5 oz) |

Design and specifications are subject to change without notice.

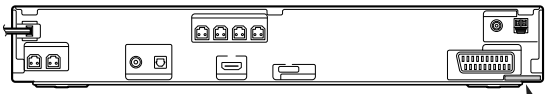
**SAFETY-RELATED COMPONET WARNING!**

**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

**ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!**

**LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM- POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.**

## MODEL IDENTIFICATION
## – Back Panel –



*Parts No.*

| Model | Part No. |
|---|---|
| AEP, UK models | 3-273-759-0□ |
| US model | 3-273-759-1□ |
| CND model | 3-273-759-2□ |
| E3 model | 3-273-760-0□ |
| MX model | 3-273-760-2□ |
| E12 model | 3-273-760-4□ |
| AUS model | 3-273-760-5□ |
| AR model | 3-273-760-6□ |
| E15 model | 3-273-760-9□ |

- Abbreviation
  AR : Argentina model
  AUS : Australian model
  CND : Canadian model
  E3 : 240 V AC Area in E model
  E12 : 220-240 V AC area in E model
  E15 : Iran model
  MX : Mexican model

### Special Component Notice

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

### Notice pour composants spéciaux

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

## SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

## LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

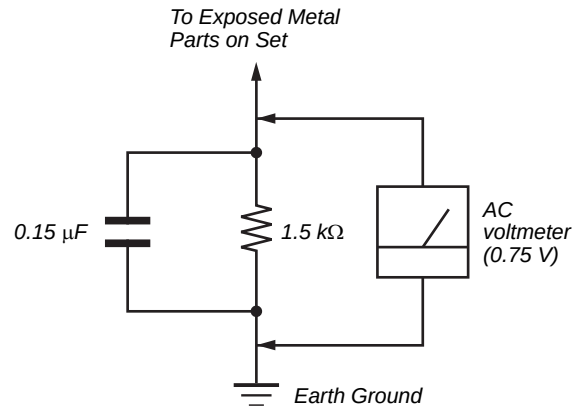



***Fig. A. Using an AC voltmeter to check AC leakage.***

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

This appliance is classified as a CLASS 1 LASER product.
This marking is located on the rear or bottom exterior.

**CAUTION**
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

### Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

## UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

### : LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

# Playable Discs

| Type | Disc logo | Characteristics | Icon |
|---|---|---|---|
| DVD VIDEO | | • DVD VIDEO<br>• DVD-R/DVD-RW in DVD VIDEO format or video mode<br>• DVD+R/DVD+RW in DVD VIDEO format | DVD-V |
| VR (Video Recording) mode | | • DVD-R/DVD-RW in VR (Video Recording) mode (except for DVD-R DL) | DVD-VR |
| Super Audio CD | | • Super Audio CD | SuperAudioCD |
| VIDEO CD | | • VIDEO CD (Ver. 1.1 and 2.0 discs)<br>• Super VCD<br>• CD-R/CD-RW/CD-ROM in video CD format or Super VCD format | VIDEO CD |
| CD | | • Audio CD<br>• CD-R/CD-RW in audio CD format | CD |
| DATA CD | – | • CD-R/CD-RW/CD-ROM in DATA CD format, containing MP3 files[1)], JPEG image files[2)], and DivX video files[3)4)5)], and conforming to ISO 9660[6)] Level 1/ Level 2, or Joliet (extended format) | DATA-CD |
| DATA DVD | – | • DVD-ROM/DVD-R/DVD-RW/ DVD+R/DVD+RW in DATA DVD format, containing MP3 files[1)], JPEG image files[2)], and DivX video files[3)4)5)], and conforming to UDF (Universal Disk Format) | DATA DVD |

[1)]MP3 (MPEG1 Audio Layer 3) is a standard format defined by ISO/MPEG which compresses audio data. MP3 files must be in MPEG1 Audio Layer 3 format.

[2)]JPEG image files must conform to the DCF image file format. (DCF "Design rule for Camera File system": Image standards for digital cameras regulated by Japan Electronics and Information Technology Industries Association (JEITA).)

[3)]Except for United Kingdom and North American models.

[4)] DivX® is a video file compression technology, developed by DivX, Inc.

[5)] DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

[6)]A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).

"DVD-RW," "DVD+RW," "DVD+R," "DVD VIDEO," and the "CD" logos are trademarks.

## Example of discs that the system cannot play

The system cannot play the following discs:

- CD-ROM/CD-R/CD-RW other than those recorded in the formats listed on page 5
- CD-ROM recorded in PHOTO CD format
- Data part of CD-Extra
- CD Graphics disc
- DVD Audio
- DATA DVD that does not contain MP3 files, JPEG image files, or DivX video files*

* Except for United Kingdom and North American models.

- DVD-RAM

Also, the system cannot play the following discs:

- A DVD VIDEO with a different region code (page 7)
- A disc that has a non-standard shape (e.g., card, heart)
- A disc with paper or stickers on it
- A disc that has the adhesive of cellophane tape or a sticker still left on it

## Note about CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW

In some cases, CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW cannot be played on this system due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.
The disc will not play if it has not been correctly finalized. For more information, refer to the operating instructions for the recording device.
Note that some playback functions may not work with some DVD+RWs/DVD+Rs, even if they have been correctly finalized. In this case, view the disc by normal playback. Also some DATA CDs/DATA DVDs created in Packet Write format cannot be played.

### Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

### Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

## About Multi Session CD

- This system can play a Multi Session CD when an MP3 file is contained in the first session. Any subsequent MP3 files recorded in later sessions can also be played back.
- This system can play a Multi Session CD when a JPEG image file is contained in the first session. Any subsequent JPEG image files recorded in later sessions can also be played back.
- If MP3 files and JPEG image files in music CD format or video CD format are recorded in the first session, only the first session will be played back.

## Region code

Your system has a region code printed on the rear of the unit and will only play a DVD labeled with the same region code.

A DVD VIDEO labeled will also play on this system.
If you try to play any other DVD VIDEO, the message [Playback prohibited by area limitations.] will appear on the TV screen. Depending on the DVD VIDEO, no region code indication may be given even though playing the DVD VIDEO is prohibited by area restrictions.

## Note about playback operations of a DVD or VIDEO CD

Some playback operations on a DVD or VIDEO CD may be intentionally set by software producers. Since this system will play a DVD or VIDEO CD according to the disc contents the software producers designed, some playback features may not be available. Be sure to read the operating instructions supplied with the DVD or VIDEO CD.

## Copyrights

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

This system incorporates with Dolby* Digital and Dolby Pro Logic (II) adaptive matrix surround decoder and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.
"Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

** Manufactured under license from DTS, Inc.
"DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc.

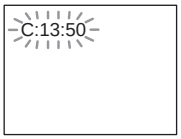
This system incorporates High-Definition Multimedia Interface (HDMI™) technology.
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.

"BRAVIA" and BRAVIA are trademarks of Sony Corporation.

# Self-diagnosis Function

### *(When letters/numbers appear in the display)*

When the self-diagnosis function is activated to prevent the system from malfunctioning, a 5-character service number (e.g., C 13 50) with a combination of a letter and 4 digits appears on the TV screen or front panel display. In this case, check the following table.




| First 3 characters of the service number | Cause and/or corrective action |
|---|---|
| C 13 | The disc is dirty.<br>➡Clean the disc with a soft cloth (page 80). |
| C 31 | The disc is not inserted correctly.<br>➡Restart the system, then re-insert the disc correctly. |
| E XX<br>(XX is a number) | To prevent a malfunction, the system has performed the self-diagnosis function.<br>➡Contact your nearest Sony dealer or local authorized Sony service facility and give the 5-character service number.<br>Example: E 61 10 |

### When displaying the version number on the TV screen

When you turn on the system, the version number [VER.X.XX] (X is a number) may appear on the TV screen. Although this is not a malfunction and for Sony service use only, normal system operation will not be possible. Turn off the system, and then turn on the system again to operate.

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# SECTION 1
# SERVICING NOTES

**NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT**

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

## NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pickup block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

## DISC TRAY LOCK

The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

**Setting Procedure :**

1. Press the [I/⏻] button to turn the set on.
2. Press the [FUNCTION] button to set DVD function.
3. Insert a disc.
4. Press the [■] button and the [⏏] button simultaneously for five seconds.
5. The message “LOCKED” is displayed and the tray is locked.

**Releasing Procedure :**

1. Press the [■] button and the [⏏] button simultaneously for five seconds again.
2. The message “UNLOCKED” is displayed and the tray is unlocked.

**Note:** When “LOCKED” is displayed, the tray lock is not released by turning power on/off with the [I/⏻] button.

## On cleaning discs, disc/lens cleaners

- Do not use cleaning discs or disc/lens cleaners (including wet or spray types). These may cause the apparatus to malfunction.

**IMPORTANT NOTICE**

Caution: This system is capable of holding a still video image or on-screen display image on your television screen indefinitely. If you leave the still video image or on-screen display image displayed on your TV for an extended period of time you risk permanent damage to your television screen.
Projection televisions are especially susceptible to this.

## Attention when transported

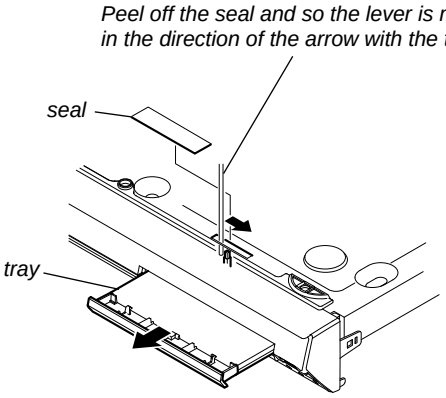
Use this mode when returning the set to the customer after repair.

**Procedure:**

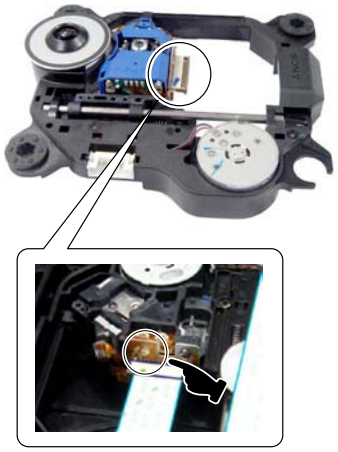
1. Press the [I/⏻] button to turn the set on.
2. Press the [FUNCTION] button to set the function “DVD”.
3. Remove all discs, and then press two buttons [▷] and [I/⏻] simultaneously.
4. After a message “MECHA LOCK” is displayed on the fluorescent indicator tube, pull out the AC plug.
5. To exit from this mode, press the [I/⏻] button to turn the set on.

## How to open the disc table when power switch turns off

Insert a tapering driver into the aperture of the unit bottom, and slide it in the direction of the arrow.



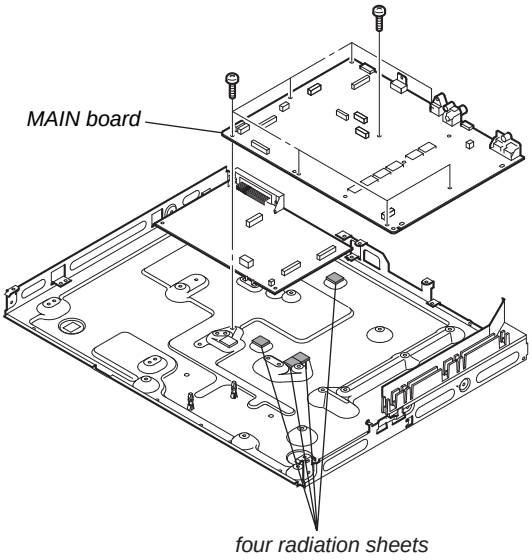

## Precaution when installing a new OP unit/ Precaution before unsoldering the static electricity prevention solder bridge

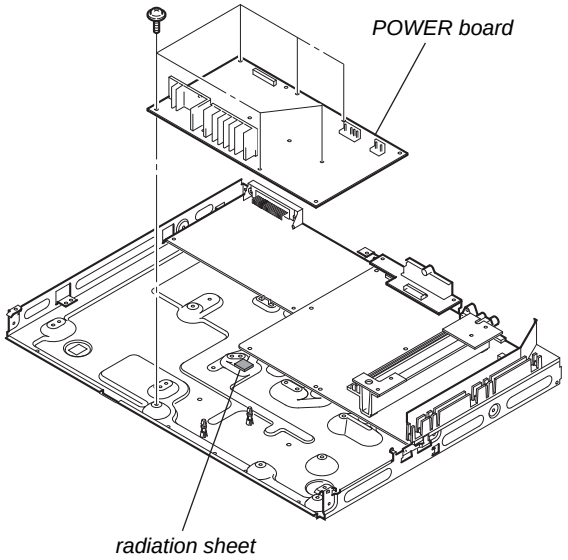


When installing a new OP unit, be sure to connect the flexible printed circuit board first of all before removing the static electricity prevention solder bridge by unsoldering.
Remove the static electricity prevention solder bridge by unsoldering after the flexible printed circuit board has already been connected.
(Do not remove nor unsolder the solder bridge as long as the OP unit is kept standalone.)

**Radiation Sheet**

When peeling off the heat radiation sheet, try always to put it on be former position.



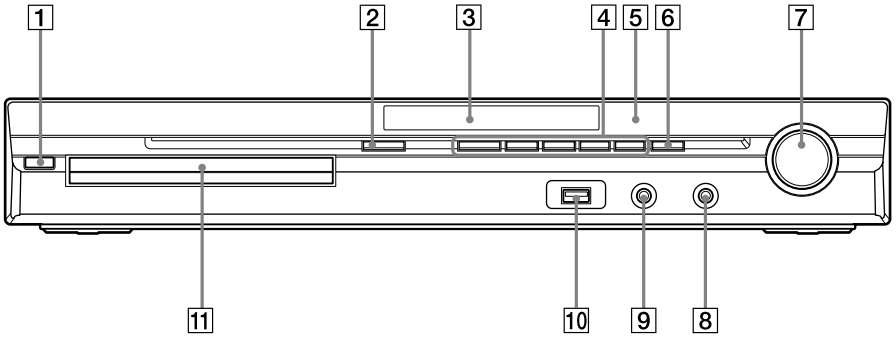
SECTION 2
GENERAL

This section is extracted from instruction manual.

# Index to Parts and Control **(DZ260)**

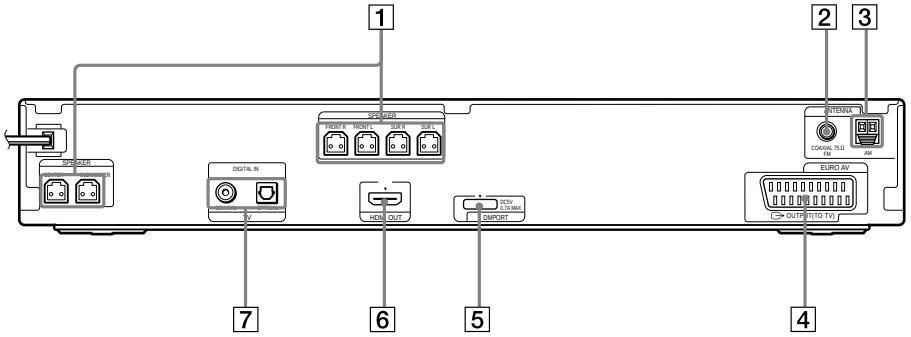
For more information, refer to the pages indicated in parentheses.

## Front panel




1 **I/⏻ (on/standby) (20, 78)**
2 **⏏ (open/close) (28)**
3 **Front panel display (96)**
4 **Play operation buttons (28)**
5 **(remote sensor) (9)**
6 **FUNCTION (23)**
7 **VOLUME control (28)**
8 **PHONES jack (28)**
9 **AUDIO IN/A.CAL MIC jack (16, 20, 72)**
10 **(USB) port (60)**
11 **Disc tray (28)**

## Rear panel

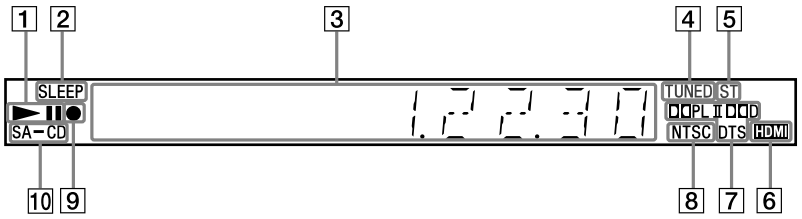



1 **SPEAKER jacks (14)**
2 **COAXIAL 75Ω FM jack (18)**
3 **AM terminal (18)**
4 **EURO AV ⇨ OUTPUT (TO TV) jack (15)**
5 **DMPORT (DIGITAL MEDIA PORT) jack (16, 69)**
6 **HDMI OUT jack (15)**
7 **TV (DIGITAL IN COAXIAL/OPTICAL) jacks (15)**

Additional Information

## Front panel display

About the indications in the front panel display




1 **Playing status**

2 **Flashes when the sleep timer is set. (74)**

3 **Displays system's status such as chapter, title, or track number, time information, radio frequency, playing status, decoding mode, etc.**

4 **Lights up when a station is received. (Radio only) (53)**

5 **Stereo/Monaural effect (Radio only) (54)**

6 **Lights up when the HDMI OUT jack is correctly connected to HDCP (High-bandwidth Digital Content Protection) compliant device with HDMI or DVI (Digital Visual Interface) input. (15)**

7 **Current surround format (Except for JPEG image file)**

8 **Lights up when an NTSC disc is loaded.**

9 **Lights up during USB recording/copying. (66)**

10 **Lights up when Super Audio CD/CD is loaded. (31)**

## Remote control

**ALPHABETICAL ORDER**

A – O

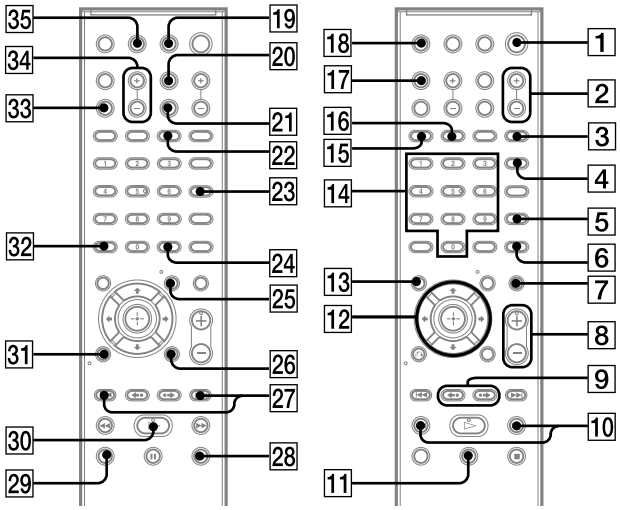
ANGLE 3 (29)
AUDIO 16 (30)
CLEAR 32 (34, 46, 54)
D.TUNING 22 (54)
DISC SKIP[1] 33
DISPLAY 21 (55, 65, 75)
DVD MENU 25 (36)
DVD TOP MENU 13 (36)
DYNAMIC BASS 6 (74)
ENTER[2] 24 (19, 20, 31, 34, 53, 71)
FUNCTION +/– 2 (23, 28)
MENU 25 (73)
MUTING 7 (28)
NIGHT 23 (74)
ONE-TOUCH PLAY 35 (58)

P – Z

PICTURE NAVI 15 (39, 62)
PRESET +/– 27 (54)
PROG +/– 27 (73)
S-AIR MODE[1] 4
SLEEP 17 (74)
SOUND MODE 5 (27)
SUBTITLE 22 (30)
SYSTEM MENU 24 (19, 23, 74, 75)
THEATRE 18 (57)
TOOLS 26 (73)
TUNING +/– 10 (53)
TV 29 (73)
TV INPUT 20 (73)
TV VOL +/– 34 (73)
VOLUME +/– 8 (28)

**BUTTON DESCRIPTIONS**

Number buttons 14 (32, 53, 73)
I/⏻ (on/standby) 1 (19, 20, 28)
TV I/⏻ (on/standby) 19 (73)
←/↑/↓/→/⊕ 12 (19, 20, 31, 34, 53, 71)
←•/•→ REPLAY/ADVANCE 9 (28)
⏮/⏭ 27 (28)
◀◀/▶▶ 10 (28)
STEP ◀II/II▶ 9 (28)
SLOW ◀I/I▶ 10 (28)
▷ (play) 30 (28)
■ (stop) 28 (28)
II (pause) 11 (28)
DISPLAY[3] 26 (20, 31, 34, 71)
RETURN 31 (32, 73)
-/-- 32 (73)




[1]This button is not available for this model.

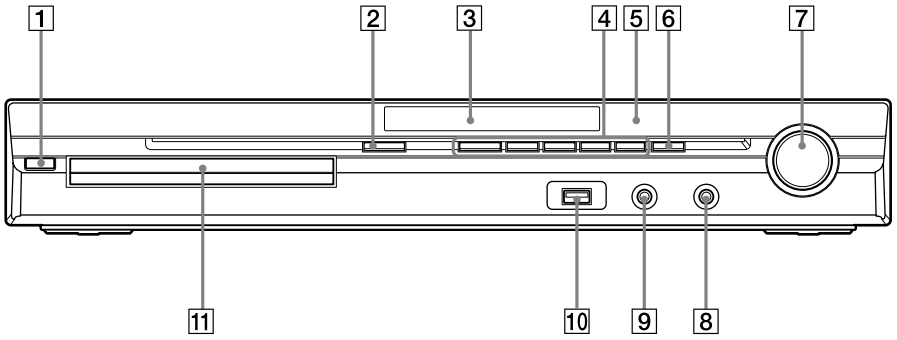
[2]The ENTER button has the same function as the ⊕ button. When you operate the TV, the ENTER button is used for selecting a channel, and the ⊕ button is used for selecting menu items (page 73).

[3]This button is only available for the "DVD" or "USB" function.

# Index to Parts and Control **(DZ270/HDZ278)**

For more information, refer to the pages indicated in parentheses.

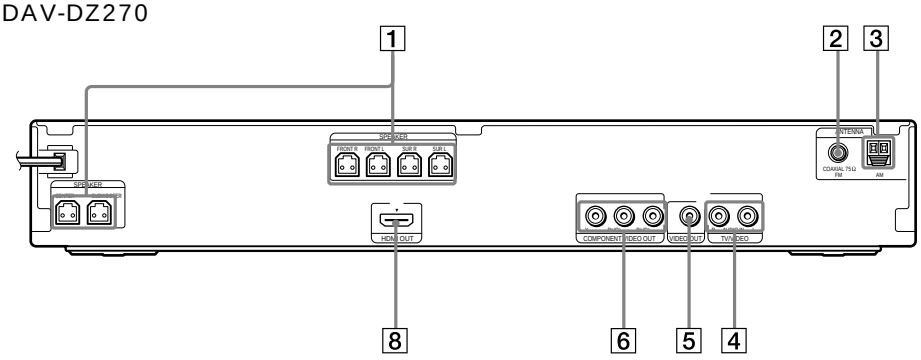
## Front panel



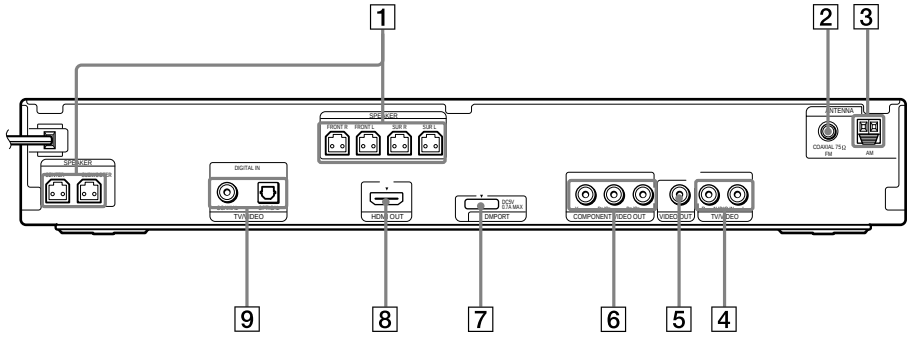

1 **I/⏻ (on/standby) (27, 85)**
2 **⏏ (open/close) (35)**
3 **Front panel display (105)**
4 **Play operation buttons (35)**
5 **(remote sensor) (11)**
6 **FUNCTION (30)**
7 **VOLUME control (35)**
8 **PHONES jack (35)**
9 **AUDIO IN/A.CAL MIC jack (21, 27, 79)**
10 **⇠ (USB) port (DAV-DZ270 only) (67)**
11 **Disc tray (35)**

## Rear panel

DAV-DZ270



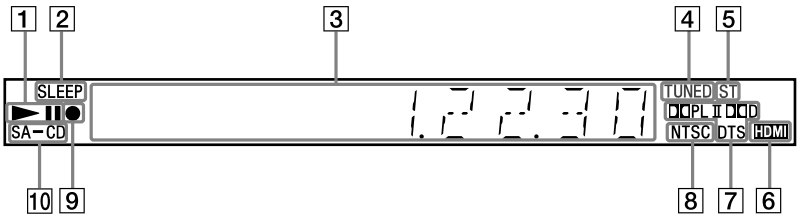

DAV-HDZ278




1 **SPEAKER jacks (16)**
2 **COAXIAL 75Ω FM jack (24)**
3 **AM terminal (24)**
4 **TV/VIDEO (AUDIO IN R/L) jacks (18, 21)**
5 **VIDEO OUT jack (18)**
6 **COMPONENT VIDEO OUT jacks (18)**
7 **DMPORT (DIGITAL MEDIA PORT) jack (DAV-HDZ278 only) (21, 76)**
8 **HDMI OUT jack (18)**
9 **TV/VIDEO (DIGITAL IN COAXIAL/ OPTICAL) jacks (DAV-HDZ278 only) (18)**

## Front panel display

About the indications in the front panel display




1 **Playing status**

2 **Flashes when the sleep timer is set. (81)**

3 **Displays system's status such as chapter, title, or track number, time information, radio frequency, playing status, decoding mode, etc.**

4 **Lights up when a station is received. (Radio only) (61)**

5 **Stereo/Monaural effect (Radio only) (62)**

6 **Lights up when the HDMI OUT jack is correctly connected to HDCP (High-bandwidth Digital Content Protection) compliant device with HDMI or DVI (Digital Visual Interface) input. (18)**

7 **Current surround format (Except for JPEG image file)**

8 **Lights up when the color system is set to NTSC. (Asian, Australian, and Middle Eastern models only)**

9 **Lights up during USB recording/copying. (DAV-DZ270 only) (73)**

10 **Lights up when Super Audio CD/CD is loaded. (38)**

## Remote control

**ALPHABETICAL ORDER**

A – O

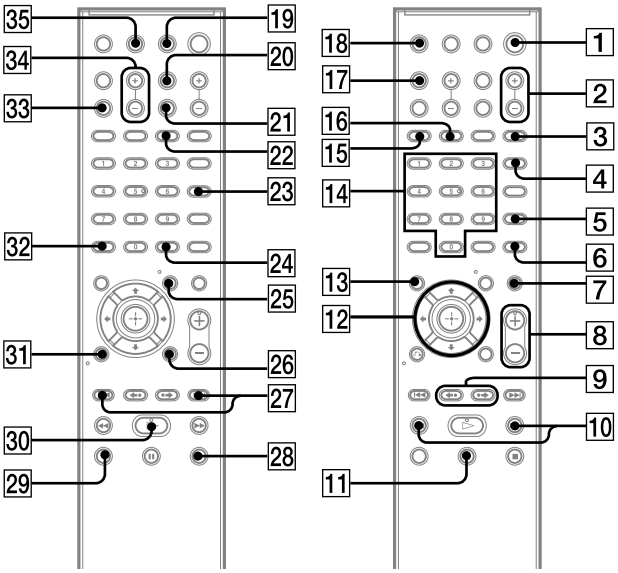
ANGLE 3 (36)
AUDIO 16 (37)
CLEAR 32 (40, 52, 62)
D.TUNING 22 (62)
DISC SKIP[1] 33
DISPLAY 21 (63, 72, 82)
DVD MENU 25 (43)
DVD TOP MENU 13 (43)
DYNAMIC BASS 6 (81)
ENTER[2] 24 (26, 27, 38, 40, 61, 78)
FUNCTION +/– 2 (30, 35)
MENU 25 (80)
MUTING 7 (35)
NIGHT 23 (81)
ONE-TOUCH PLAY 35 (65)

P – Z

PICTURE NAVI 15 (45, 69)
PRESET +/– 27 (62)
PROG +/–[3] 27 (80)
S-AIR MODE[1] 4
SLEEP 17 (81)
SOUND MODE 5 (34)
SUBTITLE 22 (37)
SYSTEM MENU 24 (26, 31, 81, 82)
THEATER/THEATRE[4] 18 (64)
TOOLS 26 (80)
TUNING +/– 10 (61)
TV 29 (80)
TV CH +/–[5] 27 (80)
TV INPUT 20 (80)
TV VOL +/– 34 (80)
VOLUME +/– 8 (35)

**BUTTON DESCRIPTIONS**

Number buttons 14 (39, 61, 80)
I/⏻ (on/standby) 1 (26, 27, 35)
TV I/⏻ (on/standby) 19 (80)
←/↑/↓/→/ ⊕ 12 (26, 27, 38, 40, 61, 78)
←●/●→ REPLAY/ADVANCE 9 (35)
⏮/⏭ 27 (35)
◀◀/▶▶ 10 (35)
STEP ◀II/II▶ 9 (35)
SLOW ◀❚/❚▶ 10 (35)
▷ (play) 30 (35)
■ (stop) 28 (35)
❚❚ (pause) 11 (35)
DISPLAY[6] 26 (27, 38, 40, 78)
RETURN 31 (39, 80)
-/--[3] 32 (80)
⊙[5] 32 (80)




[1]This button is not available for this model.

[2]The ENTER button has the same function as the ⊕ button. When you operate the TV, the ENTER button is used for selecting a channel, and the ⊕ button is used for selecting menu items (page 80).

[3]Except for North American models.

[4]The button name differs depending on the area.

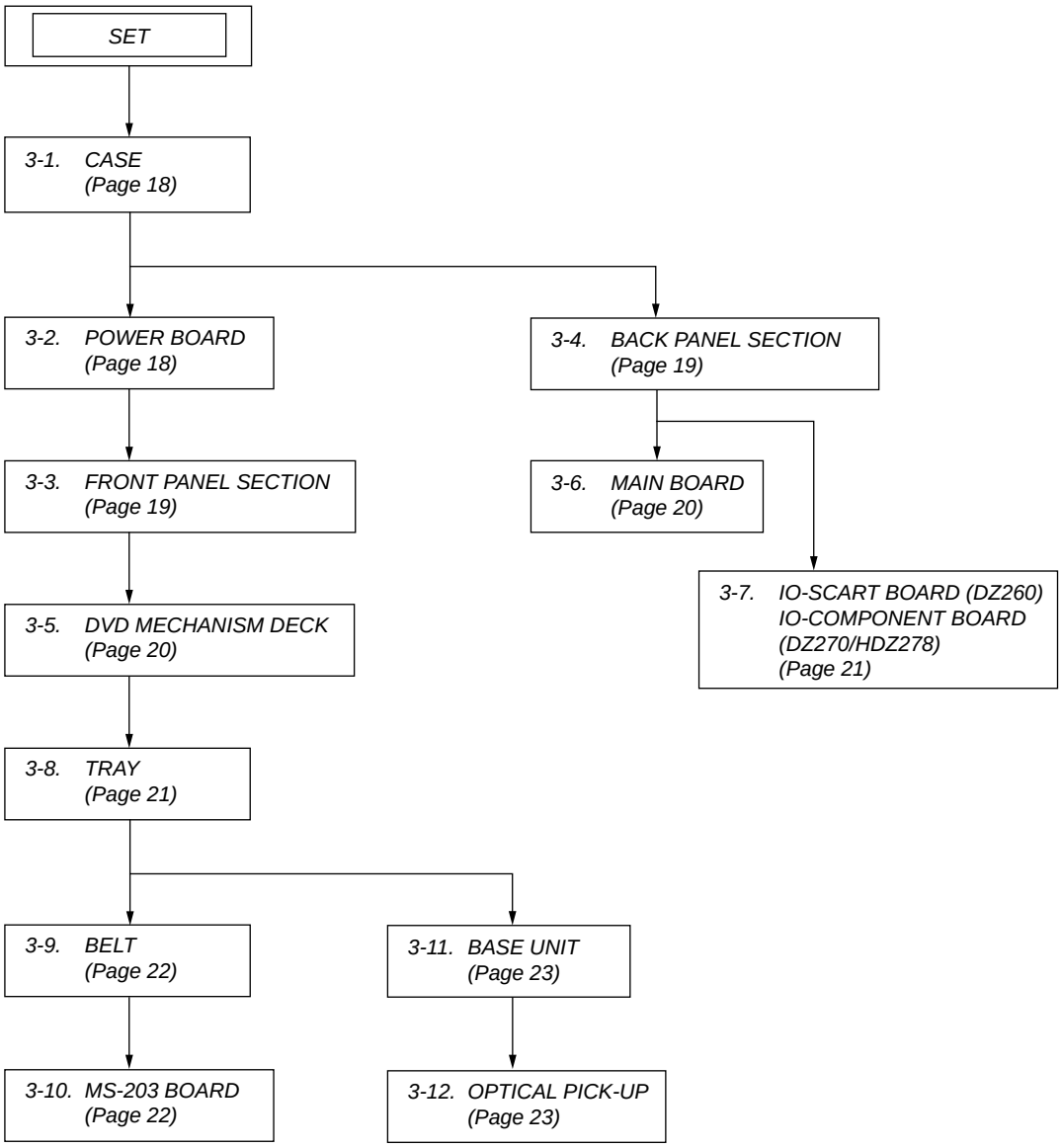
[5]North American models only.

[6]This button is only available for the "DVD" or "USB*" function.

* DAV-DZ270 only

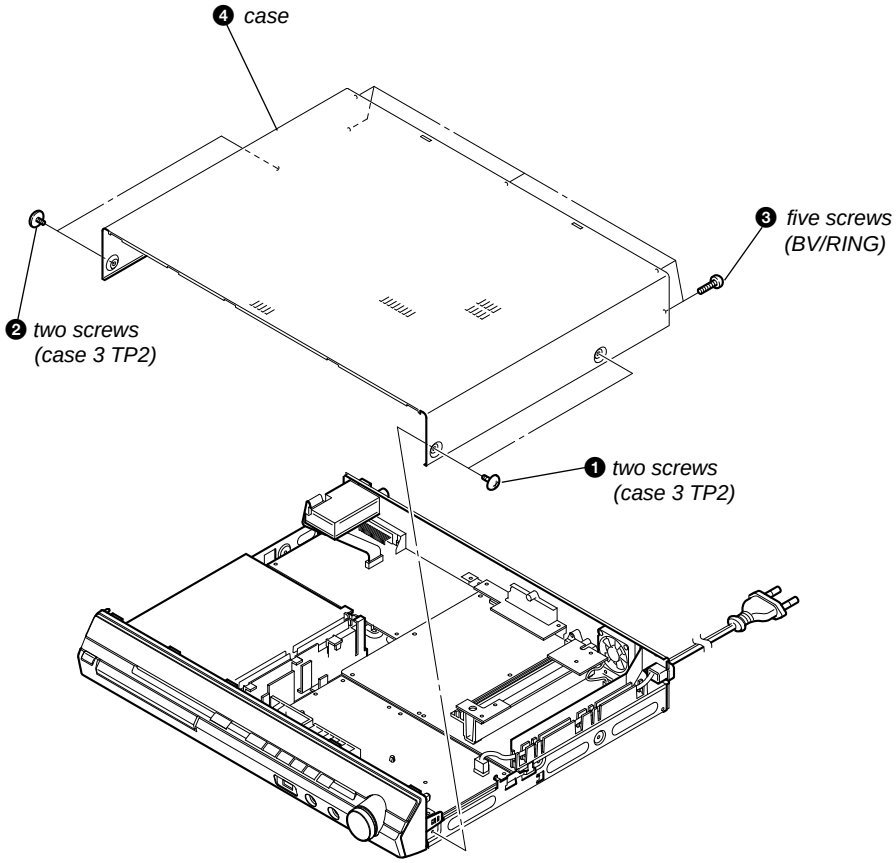
# SECTION 3
# DISASSEMBLY

- This set can be disassembled in the order shown below.

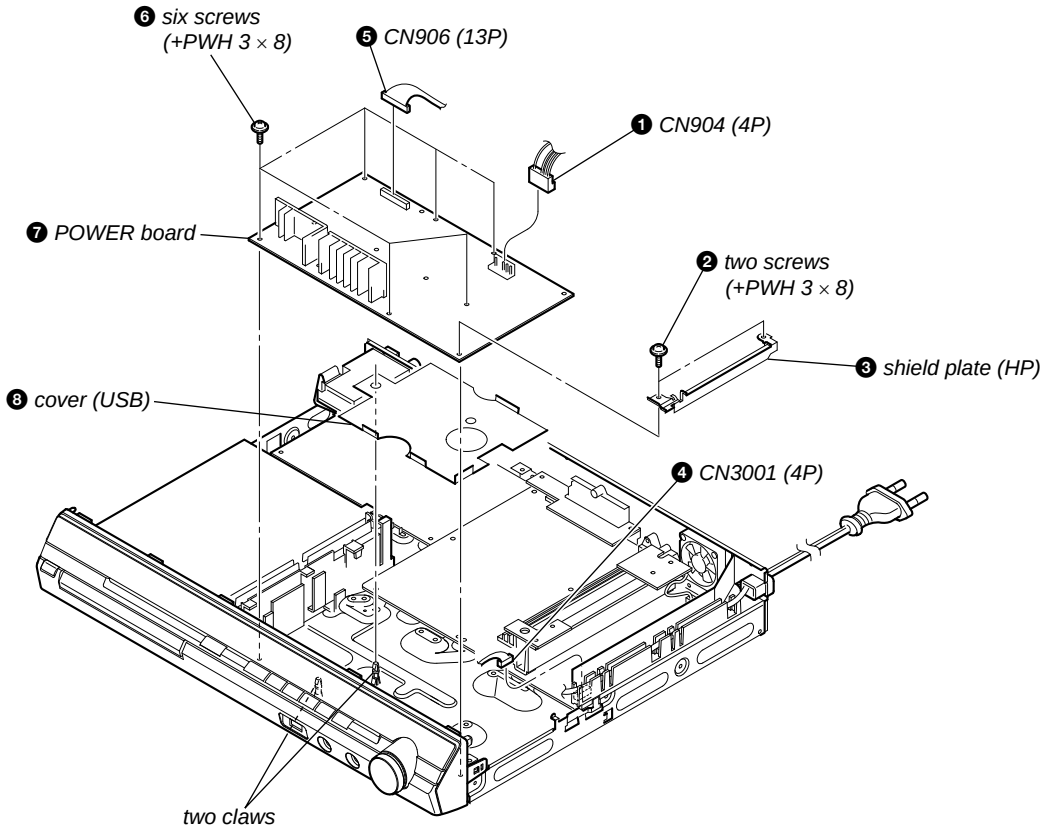


**Note:** Follow the disassembly procedure in the numerical order shown below.

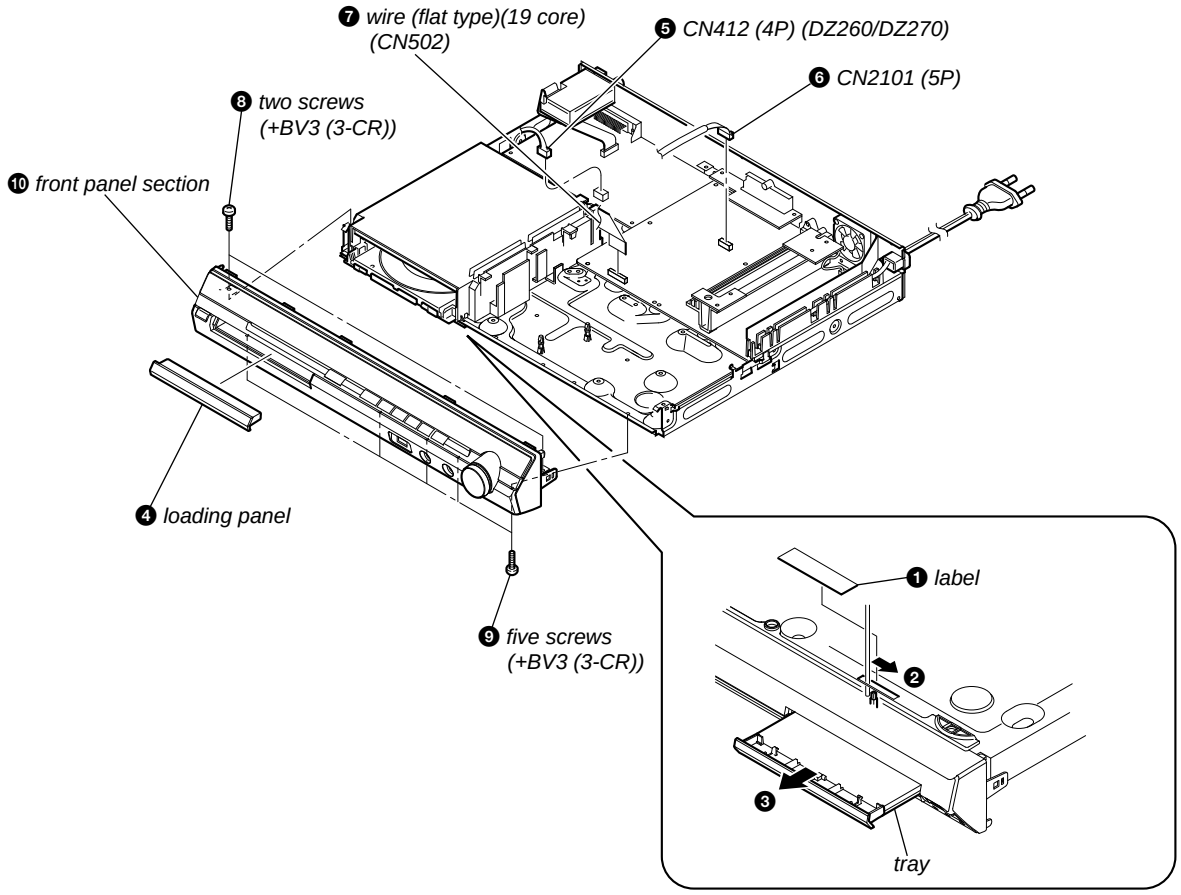
## 3-1. CASE



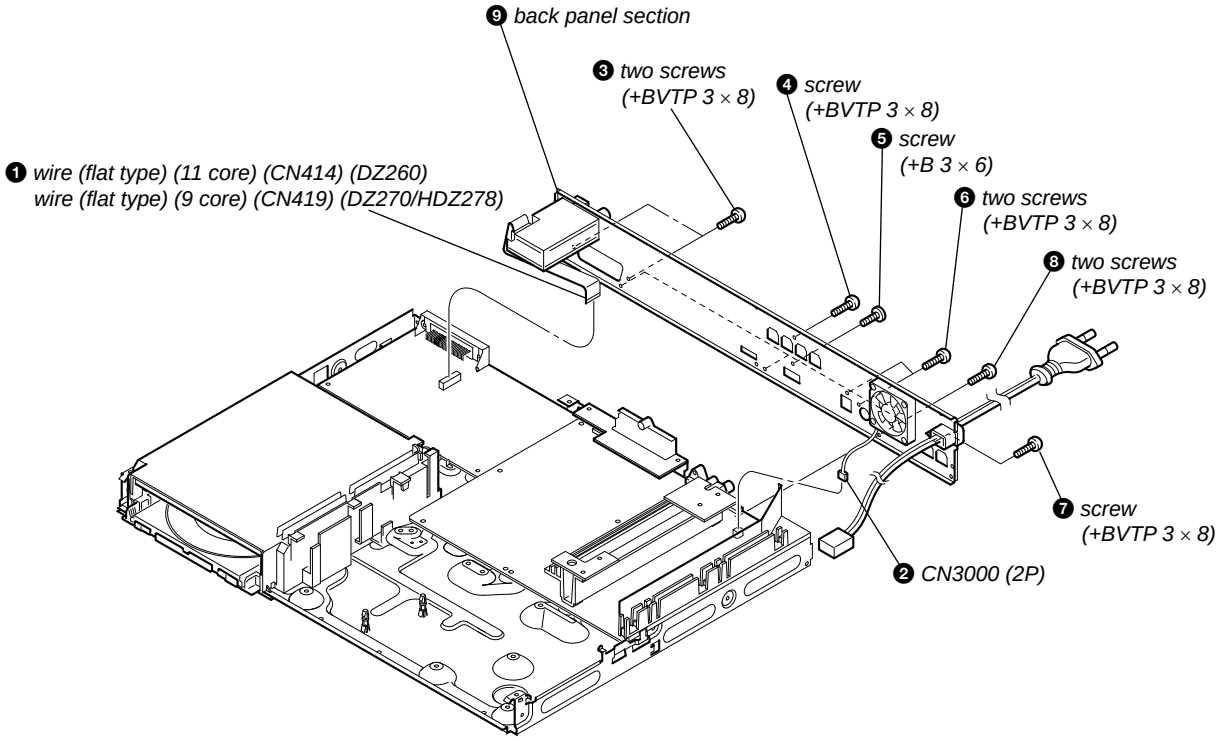

## 3-2. POWER BOARD



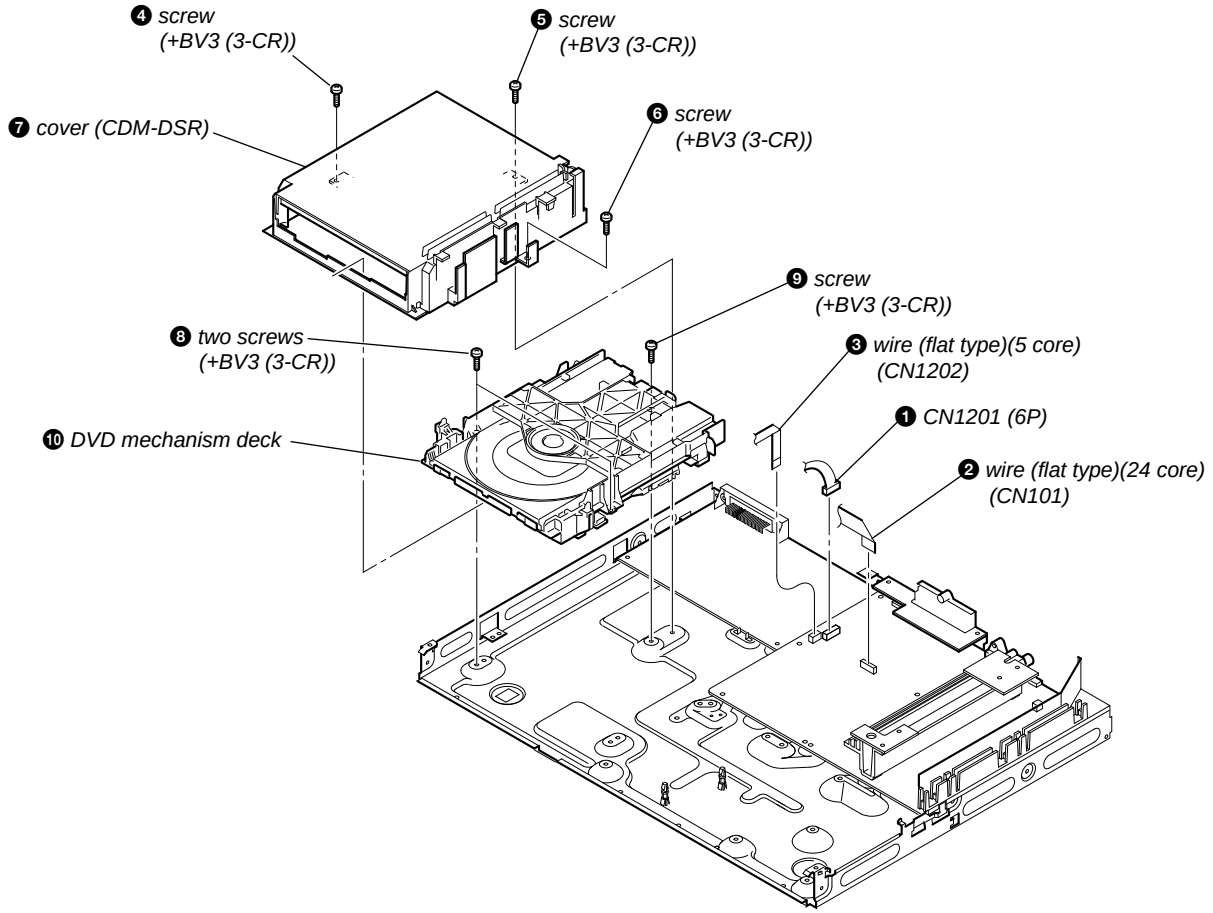
### 3-3. FRONT PANEL SECTION



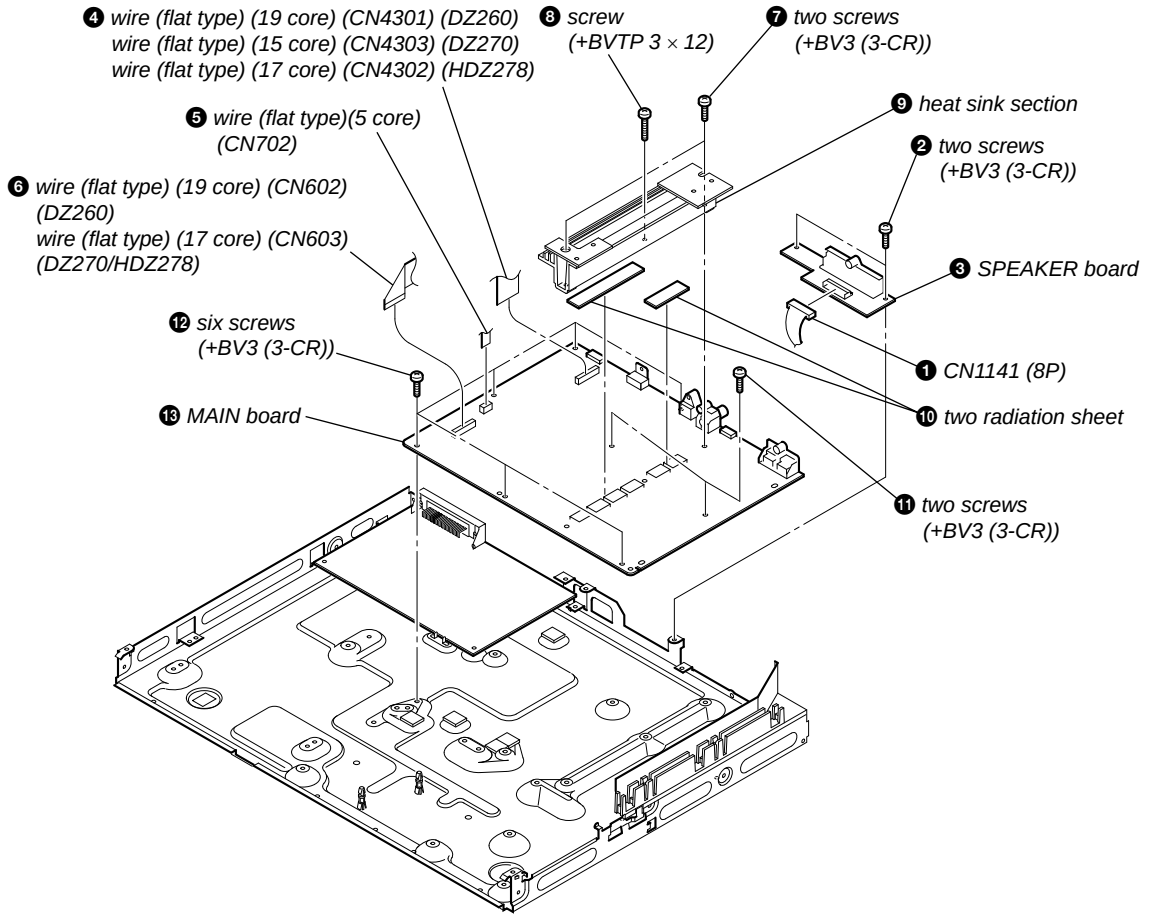

### 3-4. BACK PANEL SECTION



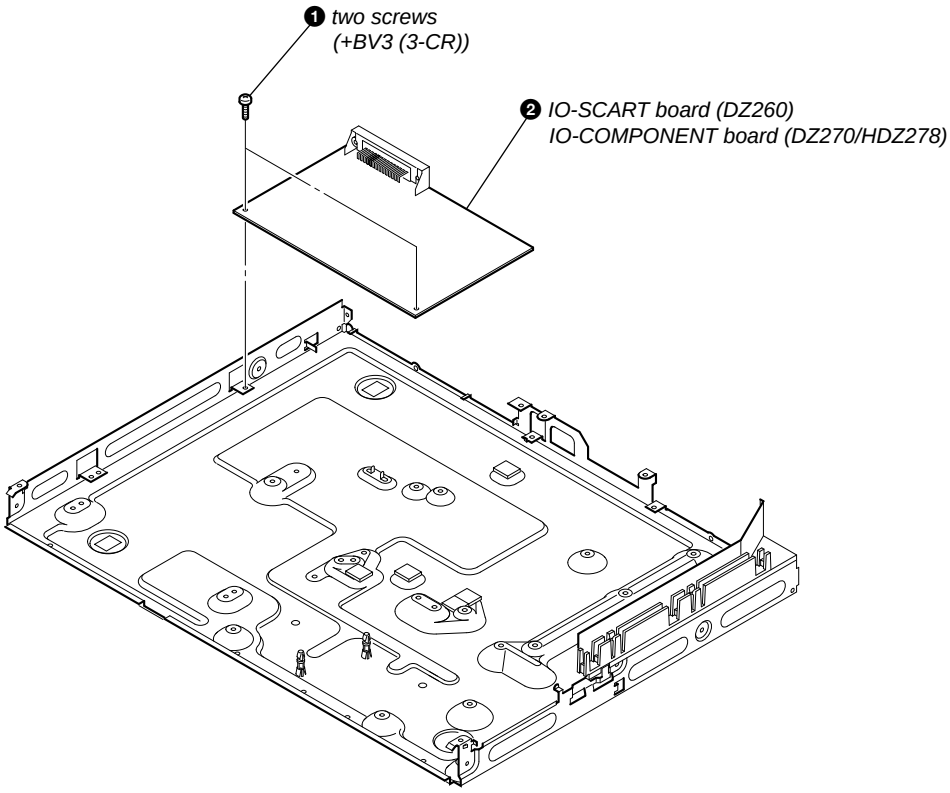
### 3-5. DVD MECHANISM DECK



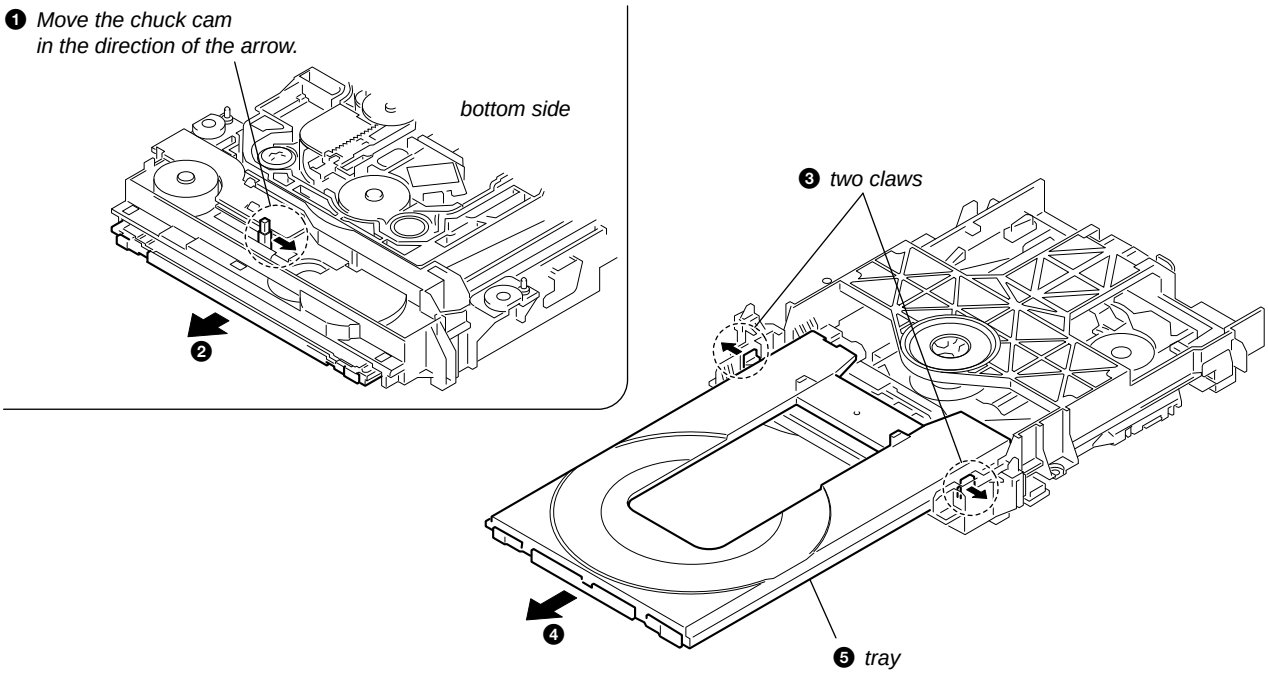

### 3-6. MAIN BOARD



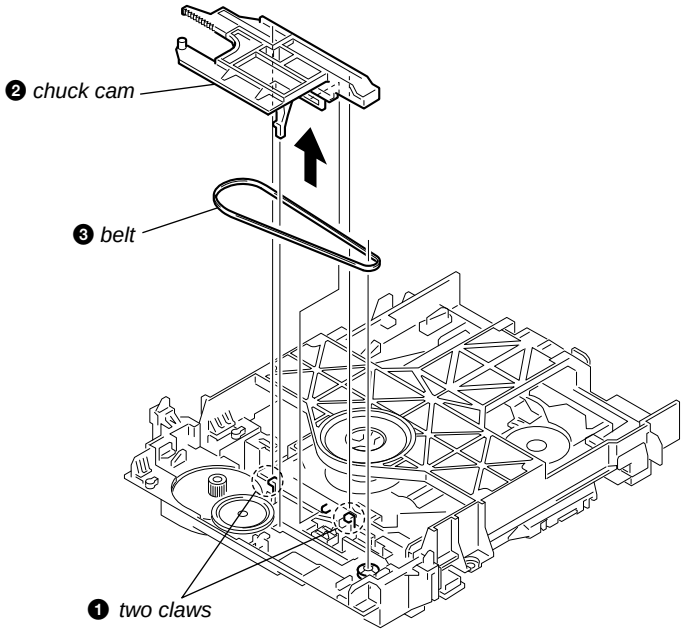
### 3-7. IO-SCART BOARD (DZ260), IO-COMPONENT BOARD (DZ270/HDZ278)



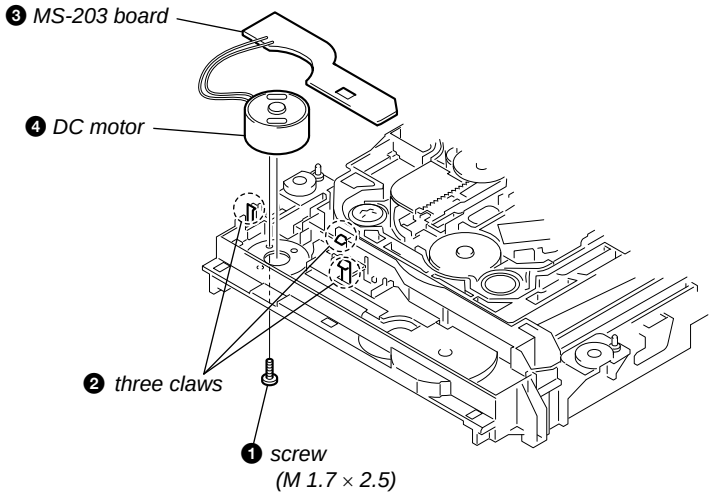

### 3-8. TRAY



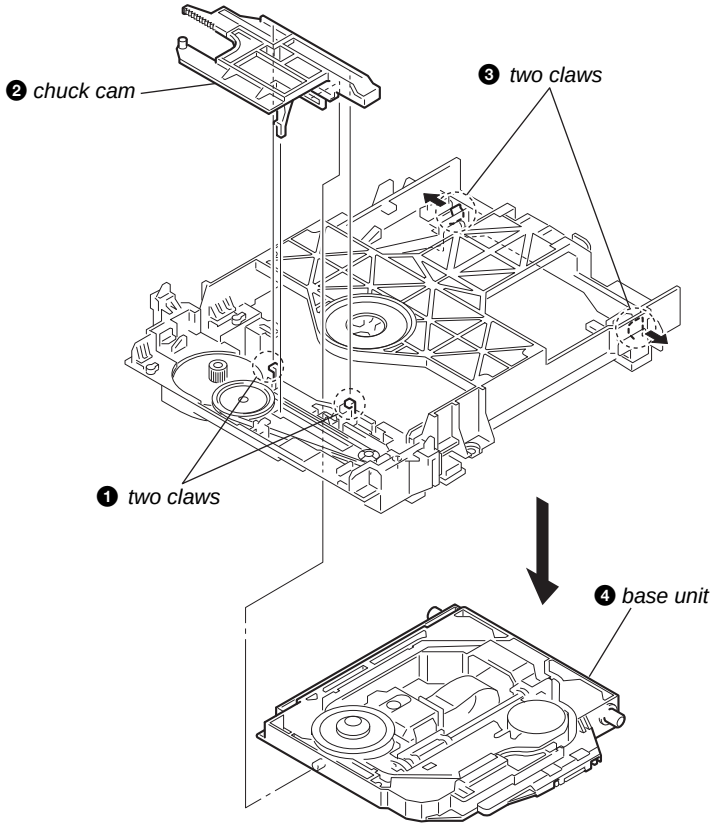
### 3-9. BELT



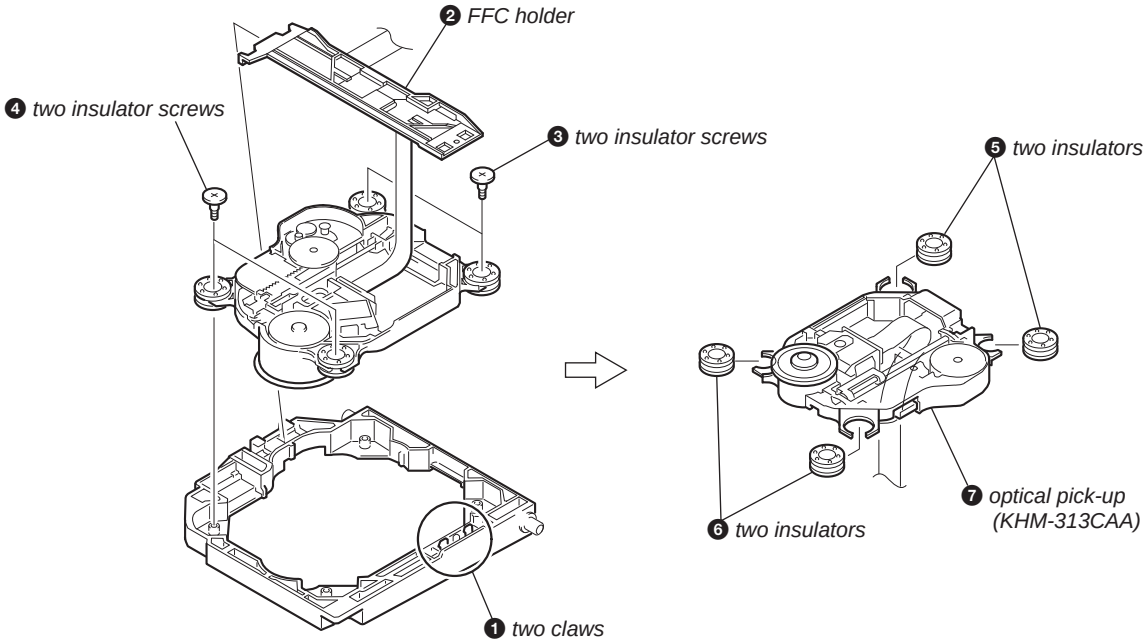

### 3-10. MS-203 BOARD



### 3-11. BASE UNIT




### 3-12. OPTICAL PICK-UP



# SECTION 4
# TEST MODE

**Note:** Incorrect operations may be performed if the test mode is not entered properly.
In this case, press the [I/⏻] button to turn the power off, and retry to enter the test mode.

## 1. Cold Reset

- The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customers.

**Procedure:**

1. Press the [I/⏻] button to turn the power on.
2. Press three buttons [■], [⏏] and [I/⏻] simultaneously.
3. When this button is operated, display as "COLD RESET" for a while and all of the settings are reset.

## 2. Panel Test Mode

- This mode is used to check the software version, FL and KEY.

### 2-1. Display Test Mode

**Procedure:**

1. Press the [I/⏻] button to turn the power on.
2. Press three buttons [❚❚], [⏮] and [⏏] simultaneously.
3. When the display test mode is activated, all segments are turned on.
4. To exit from this mode, press three buttons [❚❚], [⏮] and [⏏] simultaneously.

### 2-2. Version Test Mode

**Procedure:**

1. When the display test mode is activated, press the [⏮] button and the message "DSR2E" (DZ260), "DSR2N" (HDZ278), "DSR2" (DZ270) are displayed, the version test mode is activated.
2. Whenever the [⏮] button is pressed, the display changes in the following order.

   → "DSR2E" (Model name) → "CE2*1" (Destination) →
   → MC Version → SYS Version → UI Version →
   → DVD Version → ST Version → TA Version →
   → DSP Version → TM Version → MM Version →
   → CLA Version → CEC Version → SAIR Version →

   *1: CE2 changes depending on destination.
3. Press the [⏭] button and the date of the software production is displayed.
4. Press the [⏭] button again and the version is displayed.
5. To exit from this mode, press three buttons [❚❚], [⏮] and [⏏] simultaneously.

### 2-3. Key Test Mode

**Procedure:**

1. When the display test mode is activated, press the [▷] button, to select the key test mode.
2. To enter the KEY test mode, the fluorescent indicator displays "K0 V0". Each time an another button is pressed, "KEY" value increases. However, once a button is pressed, it is no longer taken into account. When all keys are pressed correctly, "K8 V0" is displayed.
3. When the [VOLUME] control is turned in the direction of (+), "V0" is changed to "V1", then ... "V9".
   When the [VOLUME] control is turned in the direction of (–), "V0" is changed to "V9", then ... "V1".
4. To exit from this mode, press three buttons [❚❚], [⏮] and [⏏] simultaneously.

## 3. Disc Tray Lock

The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

**Setting Procedure :**

1. Press the [I/⏻] button to turn the set on.
2. Press the [FUNCTION] button to set DVD function.
3. Insert a disc.
4. Press the [■] button and the [⏏] button simultaneously for five seconds.
5. The message "LOCKED" is displayed and the tray is locked.

**Releasing Procedure :**

1. Press the [■] button and the [⏏] button simultaneously for five seconds again.
2. The message "UNLOCKED" is displayed and the tray is unlocked.

**Note:** When "LOCKED" is displayed, the tray lock is not released by turning power on/off with the [I/⏻] button.

## 4. DVD Ship Mode

Use this mode when returning the set to the customer after repair.

**Procedure:**

1. Press the [I/⏻] button to turn the set on.
2. Press the [FUNCTION] button to set the function "DVD".
3. Remove all disc, and then press two buttons [▷] and [I/⏻] simultaneously.
4. After a message "MECHA LOCK" ⇦⇨ "PULL PLUG" is displayed on the fluorescent indicator tube, pull out the AC plug.
5. To exit from this mode, press the [I/⏻] button to turn the set on.

## 5. AM Step Change (Except AEP, UK, E models)

- A step of AM channels can be changed over between 9 kHz and 10 kHz.

**Procedure:**

1. Press the [I/⏻] button to turn the set ON.
2. Select the function "TUNER", and press [FUNCTION] button to select the BAND "AM".
3. Press the [I/⏻] button to turn the set OFF.
4. Press two buttons [⏭] and [I/⏻] simultaneously, and the display of fluorescent indicator tube changes to "AM 9k STEP" or "AM 10k STEP", and thus the channel step is changed over.

## 6. Product Out

This mode moves the optical pick-up to the position durable to vibration and clears all data including preset data stored in the RAM to initial conditions. Use this mode when returning the set to the customer after repair.

**Procedure:**

1. Press the [I/⏻] button to turn the power on.
2. Press the [FUNCTION] button to set the function "DVD".
3. Remove all disc, and then press three buttons [⏭], [⏏] and [I/⏻] simultaneously.
4. After the "STANDBY" blinking display finishes, the message "MECHA LOCK" ⇦⇨ "PULL PLUG" is displayed on the fluorescent indicator tube disconnect the AC power plug, then the ship mode is set.

**DVD SECTION**

## 7-1. GENERAL DESCRIPTION

The IOP measurement allows you to make diagnosis and adjustment simply by using the remote commander and monitor TV. The instructions, diagnosis results, etc. are given on the on-screen display (OSD).
Be sure to execute the IOP measurement when a BU (Base Unit) is replaced.

## 7-2. HOW TO ENTER TEST MODE

While pressing the [■] and [⏏] buttons simultaneously, turn [VOLUME] control in the direction of (+) with the DVD player in power on.
The Test Mode starts, displayed "SERVICE IN" on this model display then the menu shown below will be displayed on the TV screen.

* The display of the "Model Name" of the "Remocon Diagnosis Menu" change with the model and the destination. Refer to below on the model name.
DZ260 : DSR2E
HDZ278 : DSR2N
DZ270 : DSR2

```
        Remocon Diagnosis Menu

0. External Chip Check
1. Servo Parameter Check
2. Drive Manual Operation
3. Emergency History
4. Version Information


Model Name  : DSR2E_XX  *1
IF-con      : Ver. XX.XX (XXXX)
Syscon      : Ver. X.XXX
```

*1: Changes depending on destination

The menu above is the Remocon Diagnosis Menu screen which consists of five main functions. At the bottom of the menu screen, the model name and IF-con version. To exit from the Test Mode, press the power button on the remote commander.

## 7-3. EXECUTING IOP MEASUREMENT

In order to execute IOP measurement, the following standard procedures must be followed.

(1) In power on, while pressing the [■] and [⏏] buttons simultaneously, turn the [VOLUME] control in the direction of (+).

```
        Remocon Diagnosis Menu

0. External Chip Check
1. Servo Parameter Check
2. Drive Manual Operation
3. Emergency History
4. Version Information


Model Name  : DSR2E_XX  *1
IF-con      : Ver. XX.XX (XXXX)
Syscon      : Ver. X.XXX
```

*1: Changes depending on destination

(2) Select "2. Drive Manual Operation" by pressing the [2] button on the remote commander. The screen will appear as shown.

```
        Drive Manual Operation

1. Servo Control
2. Track/Layer Jump
3. Manual Adjustment
4. Tray Aging Mode
5. MIRR time adjust
0. Return to Top Menu
```

(3) Select "3. Manual Adjustment" by pressing the [3] button on the remote commander. The screen will appear as shown.

```
        Manual Adjust

1. Track Balance Adjust:
2. Track Gain Adjust:
3. Focus Balance Adjust:
4. Focus Gain Adjust:
5. Eq Boost Adjust:
6. Iop:
7. TRV. Level:
8. S curve(FE) Level:
9. RFL(PI) Level:
0. MIRR Time:

[↑][↓] Change Value
[RETURN] Return to previous menu
```

(4) Select "6. IOP" by pressing the [6] button on the remote commander.

(5) Wait until a hexadecimal number appear.

```
        Manual Adjust

1. Track Balance Adjust:
2. Track Gain Adjust:
3. Focus Balance Adjust:
4. Focus Gain Adjust:
5. Eq Boost Adjust:
6. Iop.(5B)
7. TRV. Level:
8. S curve(FE) Level:
9. RFL(PI) Level:
0. MIRR Time:

[↑][↓] Change Value
[RETURN] Return to previous menu
```

(6) Convert each data from hexadecimal to decimal using conversion table.

(7) Please find the label on the rear of the BU (Base Unit).
The default IOP value is written in the label.

(8) Subtract between these two values.

(9) If the remainder is smaller than 93 (decimal), then it is OK. However if the value is higher than 93, then the BU is defective and need to be change.

(10) Press the [RETURN] button on the remote commander to return back to previous menu.

(11) Press the [0] button on the remote commander to return to Top Menu.

### 7-4. EMERGENCY HISTORY

To check the emergency history, please follow the following procedure.

(1) From the Top Menu of Remocon Diagnosis Menu, select "3. Emergency History Check" by pressing the [3] button on the remote commander. The following screen appears on the on-screen display.

```
                Emg. History Check

Laser Hours        CD     999h          59min
                   DVD    999h          59min

01.  01  05  04  04       00  92  46  00
     00  00  00  00       00  00  23  45
02.  02  02  01  01       00  A9  4B  00
     00  00  00  00       00  00  23  45

[Next]   Next Page    [Prev]  Prev Page
[O]  Return to Top Menu
```

(2) You can check the total time when the laser is turned on during playback of DVD and CD from the above menu. The maximum time, which can be displayed are 999h 59min.

(3) You can check the error code of latest 10 emergency history from the above menu. To view the previous or next page of emergency history, press [I◄◄ ] or [►►I] button on the remote commander. The error code consists of the following three blocks. The first block indicates the error code. The second block indicates the parameter and the third block indicates the time of error code as shown below.

**• Error Code**

```
                Emg. History Check

Laser Hours        CD     999h          59min
                   DVD    999h          59min
     *1  *2
01.  01  05  04  04       00  92  46  00
     00  00  00  00       00  00  23  45 *3
02.  02  02  01  01       00  A9  4B  00
     00  00  00  00       00  00  23  45

[Next]   Next Page    [Prev]  Prev Page
[O]  Return to Top Menu
```

*1 : Error Code
*2 : Parameter of error code
*3 : Time of error code

**The meaning of error code is as below:**

01: Communication error (No reply from syscon)
02: Syscon hung up
03: Power OFF request when syscon hung up
19: Thermal shutdown
24: MoveSledHome error
25: Mechanical move error (5 Changer)
26: Mechanical move stack error
30: DC motor adjustment error
31: DPD offset adjustment error
32: TE balance adjustment error
33: TE sensor adjustment error
34: TE loop gain adjustment error
35: FE loop gain adjustment error
36: Bad jitter after adjustment
40: Focus NG
42: Focus layer jump NG
52: Open kick spindle error
51: Spindle stop error
60: Focus on error
61: Seek fail error
62: Read Q data/ID error
70: Lead in data read fail
71: TOC read time out (CD)
80: Can't buffering
81: Unknown media type

#### 7-4-1. Clear the Laser Hour

Press [▭ DISPLAY] button and then press [CLEAR] button on the remote commander. The data for both CD and DVD data are reset.

```
                Emg. History Check

Laser Hours        CD     0h            0min
                   DVD    0h            0min

01.  01  05  04  04       00  92  46  00
     00  00  00  00       00  00  23  45
02.  02  02  01  01       00  A9  4B  00
     00  00  00  00       00  00  23  45

[Next]   Next Page    [Prev]  Prev Page
[O]  Return to Top Menu
```

#### 7-4-2. Clear the Emergency History

Press [DVD TOP MENU] button and then press [CLEAR] button on the remote commander. The error code for all emergency history would be reset.

```
                Emg. History Check

Laser Hours        CD     999h          59min
                   DVD    999h          59min

01.  00  00  00  00       00  00  00  00
     00  00  00  00       00  00  00  00
02.  00  00  00  00       00  00  00  00
     00  00  00  00       00  00  00  00

[Next]   Next Page    [Prev]  Prev Page
[O]  Return to Top Menu
```

#### 7-4-3. Clear the Initialize Setup Data

Press [DVD MENU] button and then press [CLEAR] button on the remote commander.

```
                Emg. History Check

Laser Hours        CD     999h          59min
                   DVD    999h          59min

                initialize setup data...




[Next]   Next Page    [Prev]  Prev Page
[O]  Return to Top Menu
```

### 7-4-4. Return to the Top Menu of Remocon Diagnosis Menu

Press [0] button on the remote commander.

**• Check Version Information**

To check the version information, please follow the following procedure.

(1) From the Top Menu of Remocon Diagnosis Menu, select "4. Version Information" by pressing the [4] button on the remote commander. The following screen appears on the on-screen display.

```
Version information

Firm (Main) :  Ver. xxxxx
Firm (Sub) :  xxxxx
RISC :  xxxxx
8032 :  xxxxx
Audio DSP :  xxxxx
Servo DSP :  xxxxx

[O]  Return to Top Menu
```

To return to the Top Menu of Remocon Diagnosis Menu, press [0] button on the remote commander.

### 7-5. AUTOMATIC ACOUSTIC FIELD CALIBRATION MICROPHONE TEST MODE

**Procedure:**

1. Press the [I/⏻] button to turn the power on.
2. Press the [FUNCTION] button to set the function " DVD".
3. Insert ECM-AC2 supplied as an accessory into the AUDIO IN/ A.CAL MIC jack.
4. While pressing the [▮▮] and [⏏] buttons simultaneously, turn the [VOLUME] control in the direction of (+).
5. Confirm that the following are shown on the display panel.
   ① The JACK inserted/non-inserted detection display and the STEREO/MONO detection display.
   ② Presence of DIGITAL voice input to the microcomputer. (OK: input, NG: no input)
   ③ The value of the MIC input to the microcomputer. (shown "255h")

```
***    *  *    ***
 ①      ②      ③
```

① "NON" : Not detected
"ST" : STEREO
"MN" : MONO

② OK : input
NG : no input

③ 0-255 (Changes in real time)

6. To exit from this mode, press the [▮▮] and [⏏] buttons simultaneously, turn the [VOLUME] control in the direction of (+).

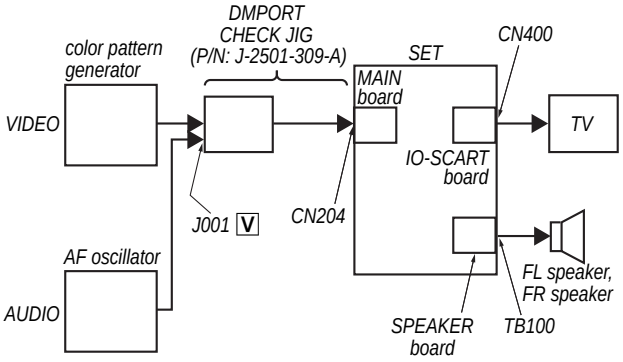
### 8. DEMO PLAY OUT

It is a mode to release the demonstration reproduct by the dedicated demonstration disc.

1. During playback the DEMO Disc, press the [■] and [▷] buttons for five seconds simultaneously.
2. The message "DEMO OFF" is displayed, a mode to reproduct the demonstration is released.

### 9. DIGITAL MEDIA PORT TEST (DZ260)

1. Connect the DMPORT CHECK JIG (P/N: J-2501-309-A) with the terminal DMPORT.
2. Press the [I/⏻] button to turn the power on.
3. Confirm that both LEDs of the DMPORT confirmation JIG lights. (Confirmation the power supply line.)
4. Set the [FUNCTION] button with "DMPORT" on this model.
5. Press the [▮▮], [⏮] buttons and turn the [VOLUME] control in the direction of (+) simultaneously, the DMPORT test mode is activated.
6. It is confirmed that "DMPORT OK" is displayed on this set display. (Confirmation of communication line)
7. To a pin jack of the DMPORT confirmation JIG input information relevant to audio signal (sine-wave 1.0Vrms) and composite video signal (white 100% 1.0Vp-p, color bar, etc.)
8. Confirm the output of speakers and monitor TV. (Confirmation of analog signal)
9. To exit from this mode, press the [▮▮], [⏮] buttons and turn the [VOLUME] control in the direction of (+).



## 11. PROTECTION FACTOR (SD DETECTION/ DC DETECTION) IDENTIFICATION TEST MODE

When an error is detected, the FL tube alternately displays "PROTECTOR ⇦⇨ PUSH POWER".

↓ Press the [I/⏻] button.
* Buttons other than the [I/⏻] button are invalid.

"STANDBY" blinks three times on the FL tube.

↓

The protection release state (POWER OFF) is established.
(No FL tube display)

↓ Press the [I/⏻] button two times.

The power to the system turns on, and the normal operation is established. (Restore)

**During the protection state:**

1. If the AC plug is connected or disconnected during the protection state, the protection state is released, and the normal operation is established. (The protection state is not maintained.)
2. The protection factor is displayed by pressing the [FUNCTION], [⏏] and [▶▶I] buttons at the same time during the protection state
   (during the "PROTECTOR ⇦⇨ PUSH POWER" display).
   ⇨ When SD is detected: Repeats
   "SD DETECT ⇦⇨ PROTECTOR".
   ⇨ When DC is detected: Repeats
   "DC DETECT ⇦⇨ PROTECTOR".

**PL: SD detection**

When the "L" output from the SD (shutdown) port on the S-MASTER POWER Driver is detected, the power system other than that of the FL tube is turned off, and the protection state is established.

**DC detection**

When the "L" output from the power/speaker error detection circuit (DC detection port) is detected for two seconds continually, the power system other than that of the FL tube is turned off, and the protection state is established.

# SECTION 5
# ELECTRICAL ADJUSTMENTS

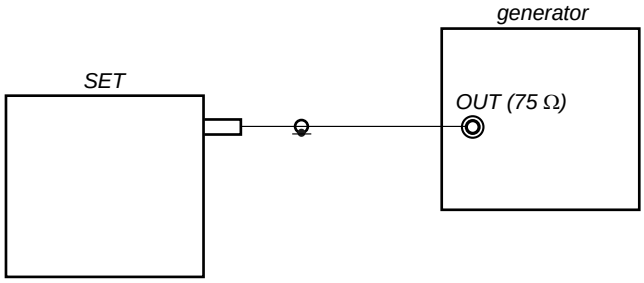
## DVD SECTION

When the optical pick-up assy is replaced, perform the "EXECUTING IOP MEASUREMENT".

EXECUTING IOP MEASUREMENT (See page 25)

## TUNER SECTION

**[FM Tune Level Check]**




**Procedure:**

1. Turn the power on.
2. Input the following signal from Signal Generator to FM antenna input directly.

* Carrier Freq : A = 87.5 MHz, B = 98 MHz, C = 108 MHz
Deviation : 75 kHz
Modulation : 1 kHz
ANT input : 35 dBu (EMF)

**Note:** Please use 75 ohm "coaxial cable" to connect SG and the set. You cannot use video cable for checking.
Please use SG whose output impedance is 75 ohm.

3. Set to FM tuner function and tune A, B and C signals.
4. Confirm "TUNED" is lit on the display for A, B and C signals.

The mark of "TUNED" means "The selected station signal is received in good condition."

# SECTION 6
# DIAGRAMS

**THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.**
**(In addition to this, the necessary note is printed in each block.)**

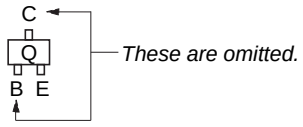
### For Printed Wiring Boards.

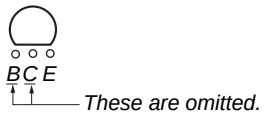
**Note:**

- ○——— : Parts extracted from the component side.
- ○ : Through hole.
- ▬ : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

| **Caution:** | |
|---|---|
| Pattern face side: (SIDE B) | Parts on the pattern face side seen from the pattern face are indicated. |
| Parts face side: (SIDE A) | Parts on the parts face side seen from the parts face are indicated. |

- Indication of transistor.




- Abbreviation
  AR : Argentina model
  AUS : Australian model
  CND : Canadian model
  E3 : 240 V AC Area in E model
  E12 : 220-240 V AC area in E model
  E15 : Iran model
  MX : Mexican model

### For Schematic Diagrams.

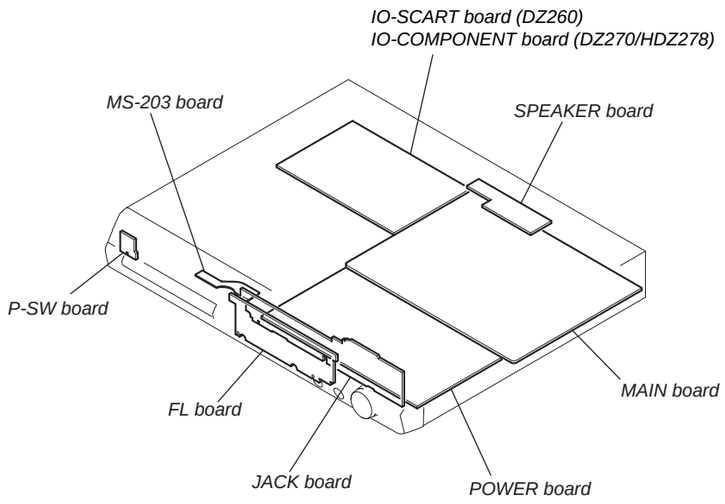
**Note:**

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

| **Note:** | **Note:** |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified. | Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié. |

- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages and waveforms are dc with respect to ground in service mode.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
  no mark : TUNER (FM)
  < > : DVD PLAY
  * : Impossible to measure
- Voltages are taken with VOM (Input impedance 10 MΩ).
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : TUNER
  ⇨ : DVD PLAY
  ⇨ : VIDEO
  ⇨ : Y
  ⇨ : CHROMA
  ⇨ : COMPONENT VIDEO
- Abbreviation
  AR : Argentina model
  AUS : Australian model
  CND : Canadian model
  E3 : 240 V AC Area in E model
  E12 : 220-240 V AC area in E model
  E15 : Iran model
  MX : Mexican model

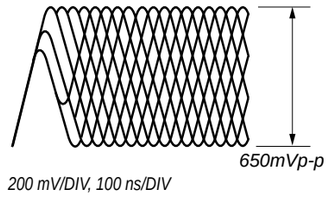
## • Circuit Boards Location




## • Waveforms

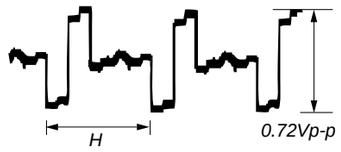
### – MAIN Board –

**① IC1101 ⑩ (DVDRFIP)**



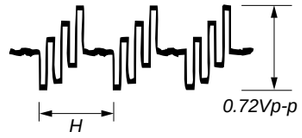

200 mV/DIV, 100 ns/DIV

**② IC1101 ⑱② (R/Cr/Pr)**



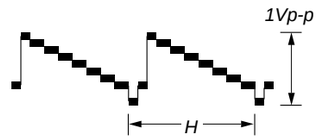

500 mV/DIV, 20 µs/DIV

**③ IC1101 ⑱③ (B/Cb/Pb)**



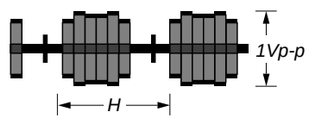

500 mV/DIV, 20 µs/DIV

**④ IC1101 ⑱⑤ (Y/G)**



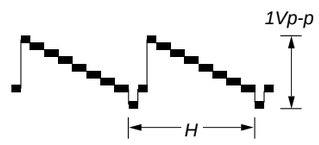

1 V/DIV, 20 µs/DIV

**⑤ IC1101 ⑱⑧ (C)**



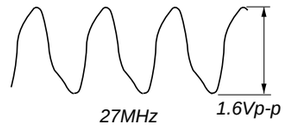

1 V/DIV, 20 µs/DIV

**⑥ IC1101 ⑲① (Y)**



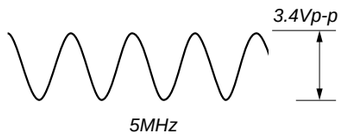

1 V/DIV, 20 µs/DIV

**⑦ IC1101 ㉘ (XTALO)**



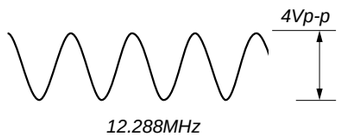

500 mV/DIV, 20 ns/DIV

**⑧ IC501 ⑬ (Xout)**



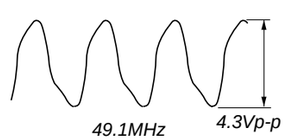

1 V/DIV, 100 ns/DIV

**⑨ IC702 ㉑ (XOUT (O))**



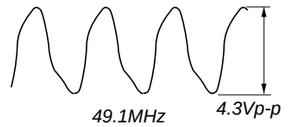

1 V/DIV, 20 ns/DIV

**⑩ IC3010 ⑭ (XFSOOUT)**



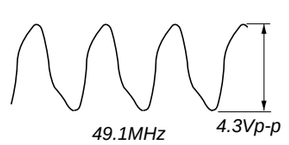

1 V/DIV, 10 ns/DIV

**⑪ IC3010 ㊽ (XFSOIN)**




1 V/DIV, 10 ns/DIV

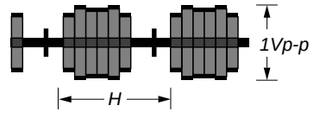
**⑫ IC3051 ② (3Y)**




1 V/DIV, 10 ns/DIV

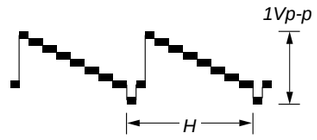
### – IO-SCART Board (DZ260) –

**① IC400 ② (Cin)**



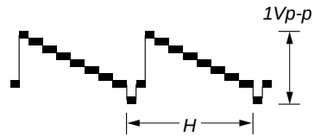

1 V/DIV, 20 µs/DIV

**② IC400 ⑥ (Yin)**



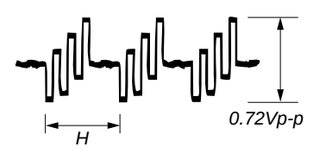

1 V/DIV, 20 µs/DIV

**③ IC400 ⑩ (CVin)**



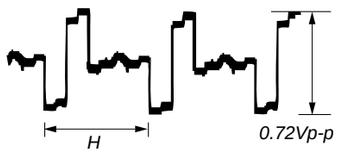

1 V/DIV, 20 µs/DIV

**④ IC400 ⑫ (Cbin)**



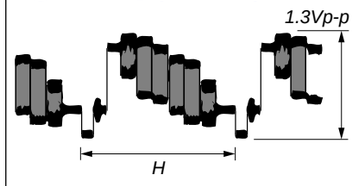

500 mV/DIV, 20 µs/DIV

**⑤ IC400 ⑭ (Crin)**




500 mV/DIV, 20 µs/DIV

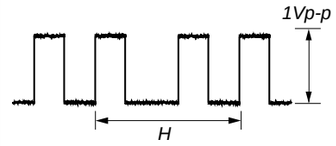
**⑥ IC400 ㉓ (CVBSout)**




500 mV/DIV, 20 µs/DIV

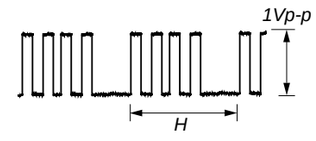
### – IO-COMPONENT Board (DZ270/HDZ278) –

**① IC404 ⑯ (Cr OUT)**



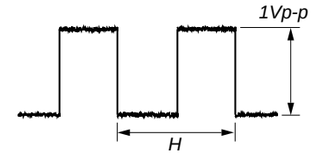

500 mV/DIV, 20 µs/DIV

**② IC404 ⑱ (Cb OUT)**



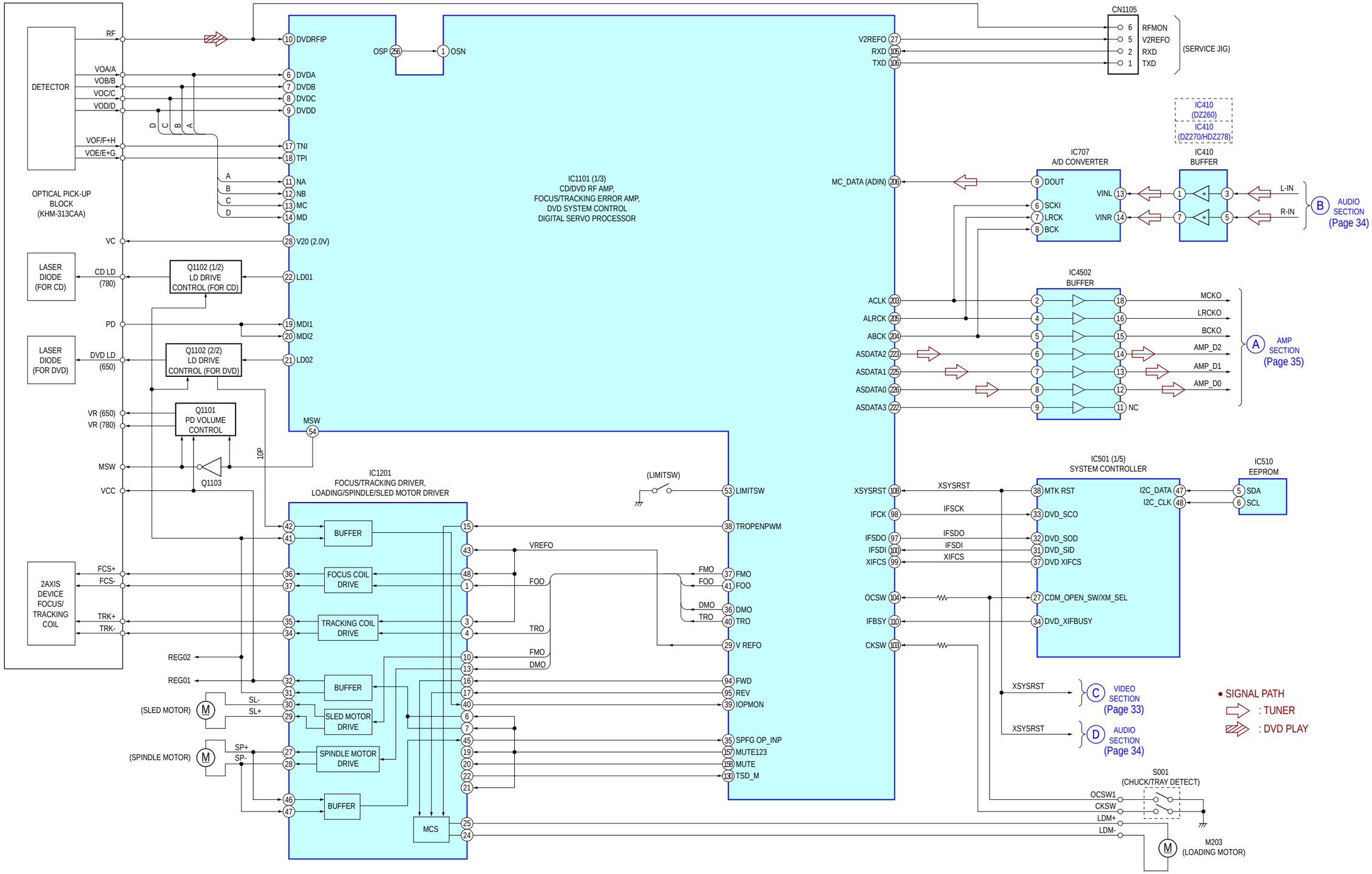

500 mV/DIV, 20 µs/DIV

**③ IC404 ⑳ (CY OUT)**

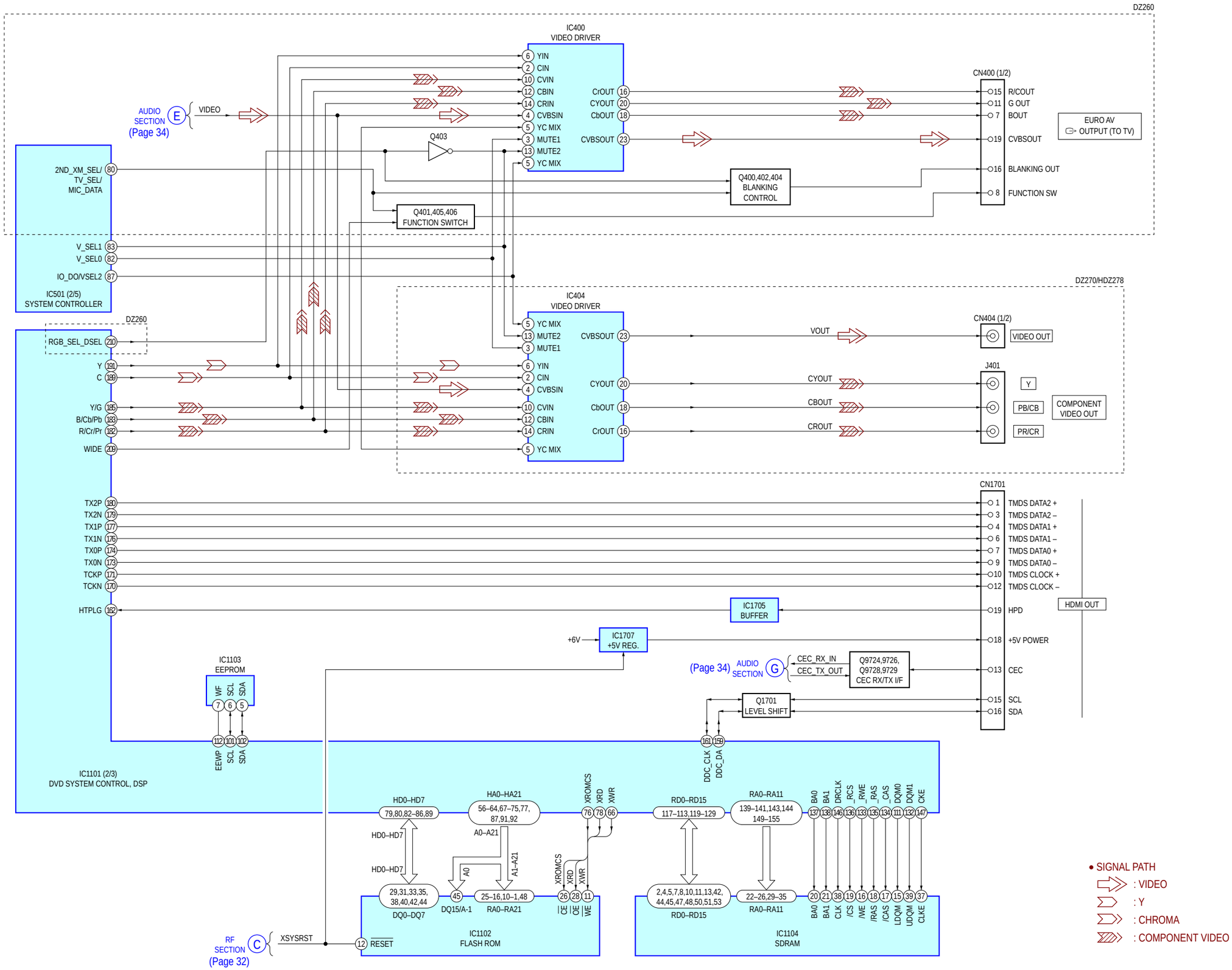



500 mV/DIV, 20 µs/DIV

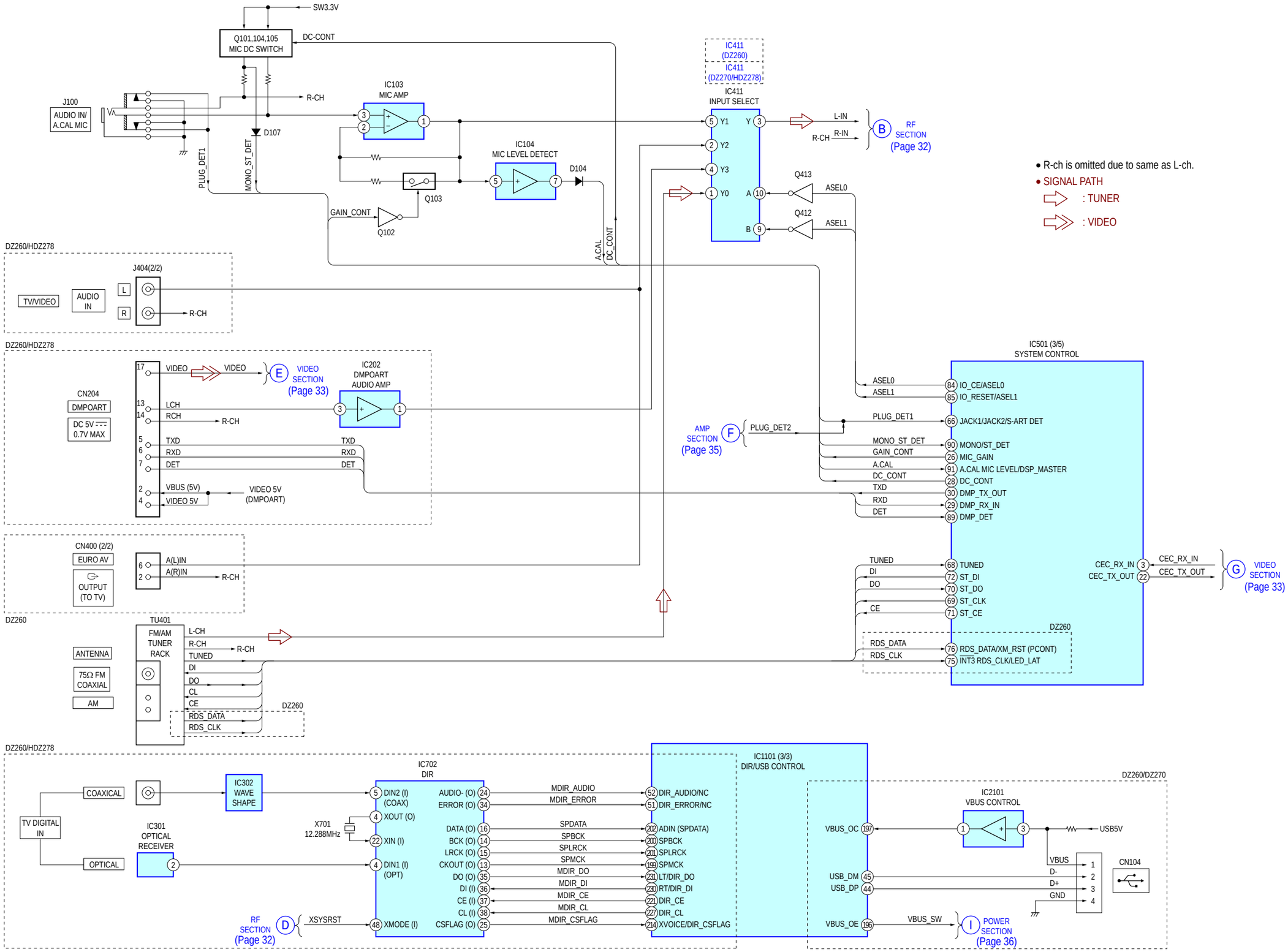
## 6-1. BLOCK DIAGRAM – RF Section –



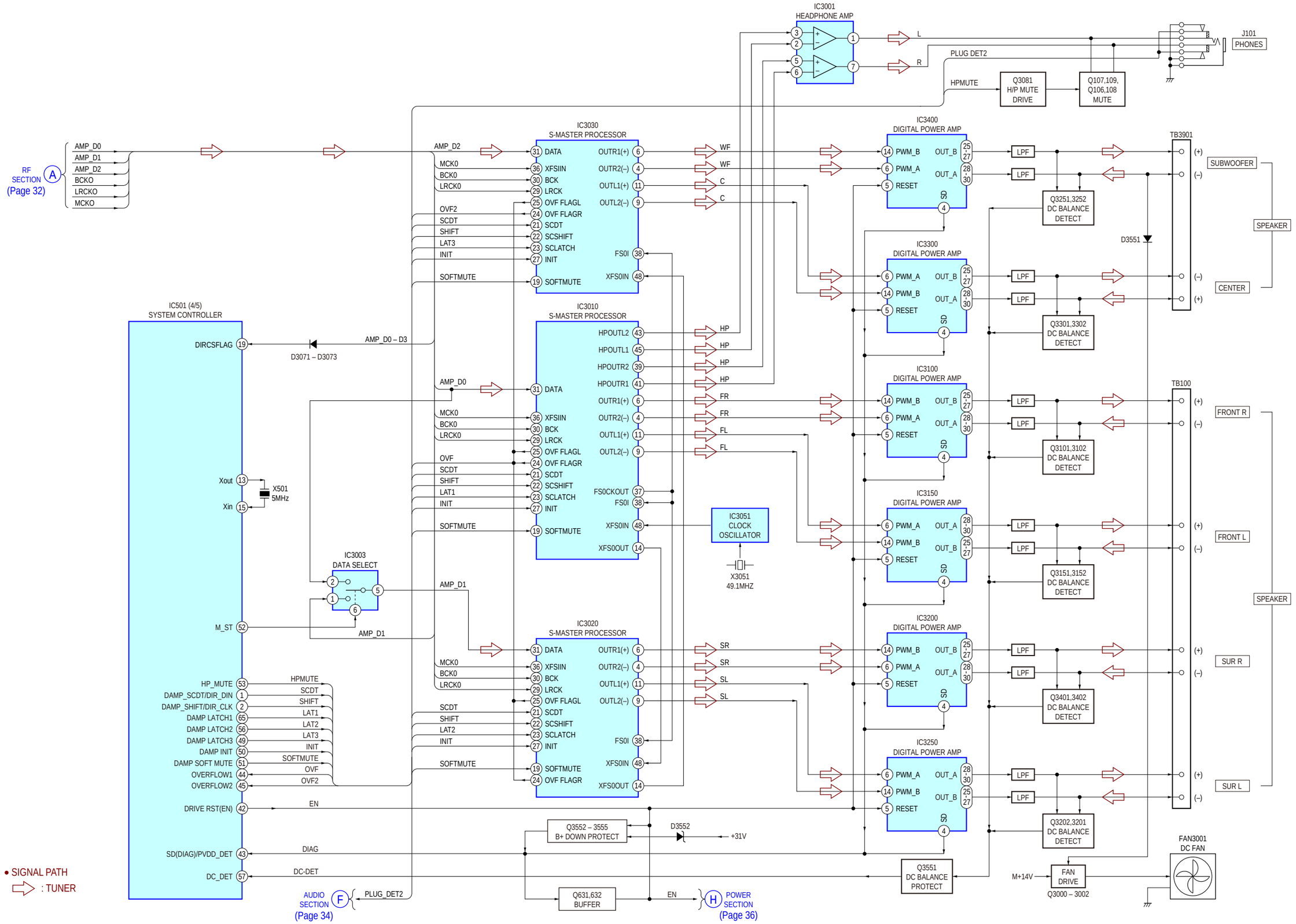
## 6-2. BLOCK DIAGRAM – VIDEO Section –



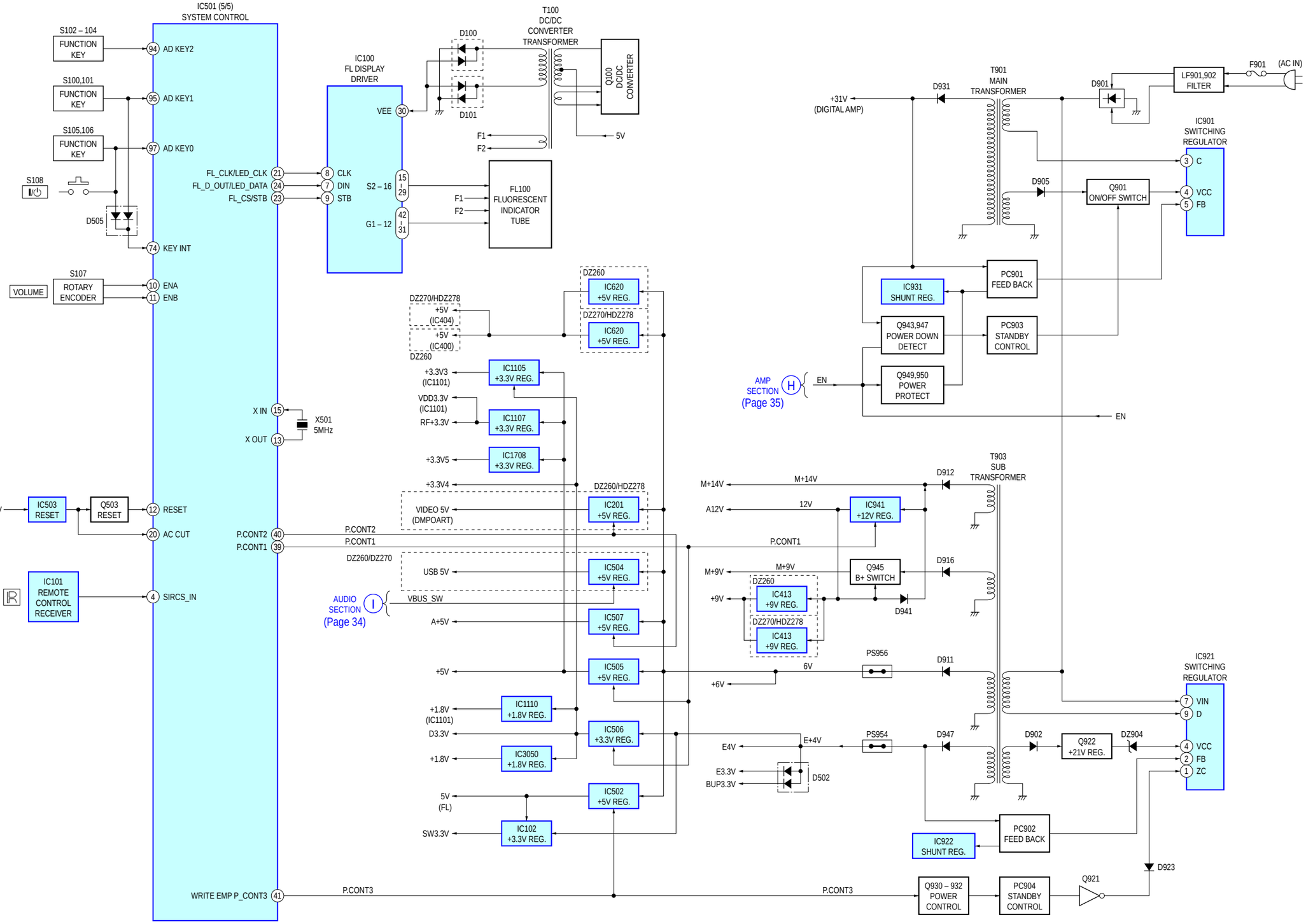
## 6-3. BLOCK DIAGRAM – AUDIO Section –



## 6-4. BLOCK DIAGRAM – AMP Section –



## 6-5. BLOCK DIAGRAM – POWER Section –



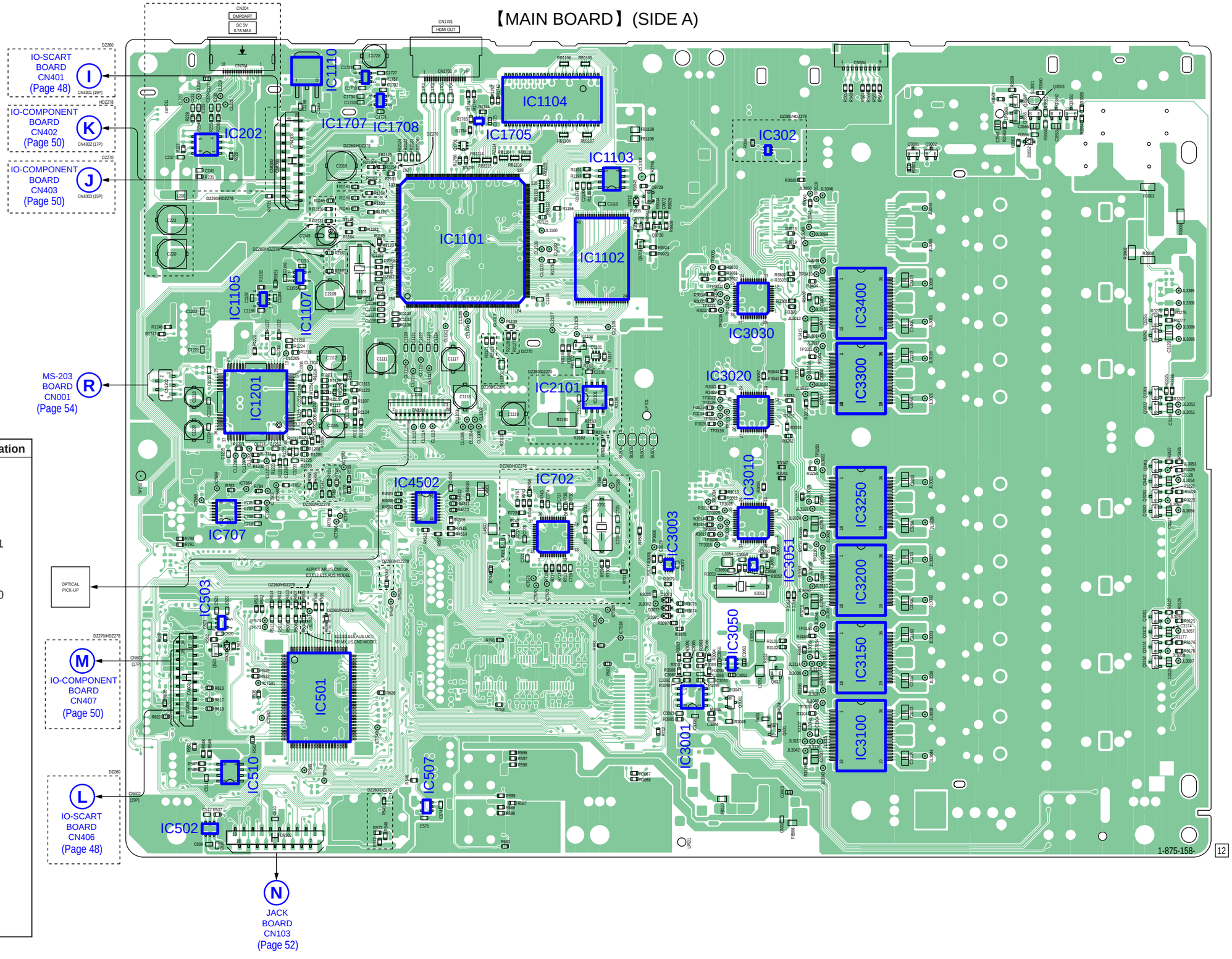
When IC501, IC510 and IC1103 on the Main board are damaged, exchange the new Main board for the Main board which IC damaged.

## 6-6. PRINTED WIRING BOARD – MAIN Board (Side A) –

• See page 31 for Circuit Boards Location.

• : Uses unleaded solder.

【MAIN BOARD】(SIDE A)




• Semiconductor Location

| Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|
| D501 | H-11 | IC3200 | G-4 |
| D3071 | G-6 | IC3250 | F-4 |
| D3072 | G-6 | IC3300 | E-4 |
| D3073 | G-6 | IC3400 | D-4 |
| D3552 | B-3 | IC4502 | F-9 |
| D9712 | C-7 | | |
| | | Q503 | H-11 |
| IC202 | B-11 | Q631 | H-5 |
| IC302 | B-5 | Q632 | H-5 |
| IC501 | H-10 | Q1101 | E-7 |
| IC502 | I-11 | Q1102 | E-10 |
| IC503 | G-11 | Q1103 | E-7 |
| IC507 | I-9 | Q1701 | C-8 |
| IC510 | I-11 | Q3001 | C-4 |
| IC702 | F-7 | Q3002 | C-4 |
| IC707 | F-11 | Q3081 | H-6 |
| IC1101 | C-8 | Q3101 | G-1 |
| IC1102 | D-7 | Q3102 | G-1 |
| IC1103 | C-7 | Q3151 | H-1 |
| IC1104 | B-8 | Q3152 | H-1 |
| IC1105 | D-11 | Q3201 | F-1 |
| IC1107 | D-10 | Q3202 | F-1 |
| IC1110 | B-10 | Q3251 | D-1 |
| IC1201 | E-10 | Q3252 | D-1 |
| IC1705 | B-8 | Q3301 | E-1 |
| IC1707 | B-9 | Q3302 | E-1 |
| IC1708 | B-9 | Q3401 | F-1 |
| IC2101 | E-7 | Q3402 | F-1 |
| IC3001 | H-6 | Q3551 | B-2 |
| IC3003 | G-6 | Q3552 | B-2 |
| IC3010 | F-5 | Q3553 | B-3 |
| IC3020 | E-5 | Q3554 | B-3 |
| IC3030 | D-5 | Q3555 | B-3 |
| IC3050 | H-6 | Q9724 | D-7 |
| IC3051 | G-5 | Q9726 | C-6 |
| IC3100 | H-4 | Q9728 | C-7 |
| IC3150 | H-4 | Q9729 | C-6 |

## 6-7. PRINTED WIRING BOARD – MAIN Board (Side B) –

• See page 31 for Circuit Boards Location. • : Uses unleaded solder.

【MAIN BOARD】(SIDE B)

- Semiconductor Location

| Ref. No. | Location |
|---|---|
| D502 | G-11 |
| D505 | H-11 |
| D701 | F-11 |
| D2101 | E-9 |
| D2102 | E-9 |
| D2103 | E-9 |
| D3551 | C-4 |
| D4111 | I-5 |
| D4112 | H-5 |
| D4151 | H-5 |
| D4152 | H-5 |
| D4201 | G-5 |
| D4202 | G-5 |
| D4251 | F-5 |
| D4252 | F-5 |
| D4301 | E-5 |
| D4302 | E-5 |
| D4401 | D-5 |
| D4402 | D-5 |
| IC201 | C-12 |
| IC301 | B-7 |
| IC504 | I-11 |
| IC505 | I-9 |
| IC506 | I-9 |
| Q3000 | B-5 |

SPEAKER BOARD CN114 (Page 54) B

SPEAKER BOARD CN114 (Page 54) A

JACK BOARD CN108 (Page 52) C

POWER BOARD CN904 (Page 56) D

POWER BOARD CN906 (Page 56) E

DVD DRIVE (SPINDLE/SLED MOROR)

JACK BOARD CN105 (Page 52) H

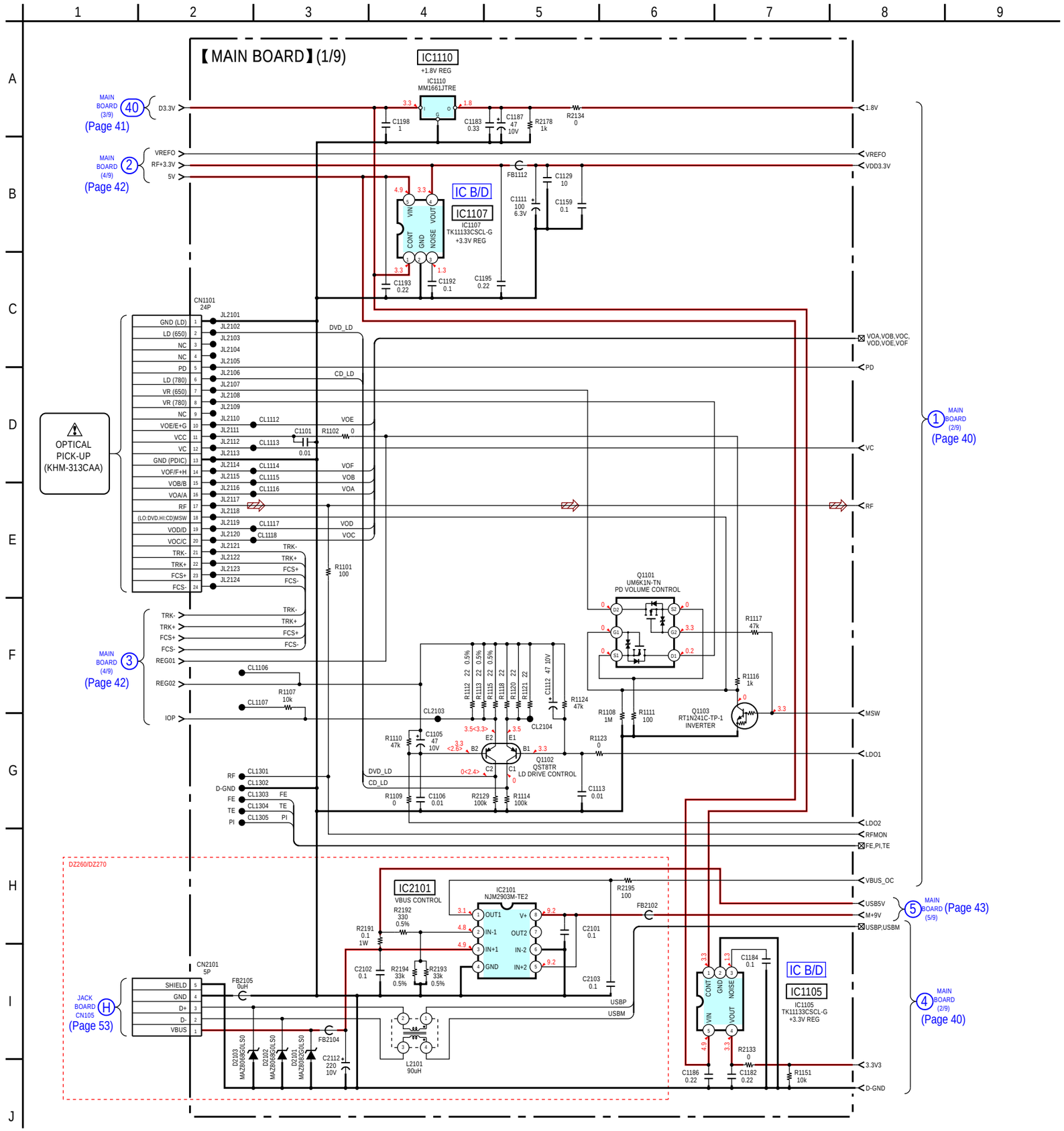
IO-COMPONENT BOARD CN418 (Page 50) G

IO-SCART BOARD CN410 (Page 48) F

1-875-158- 12

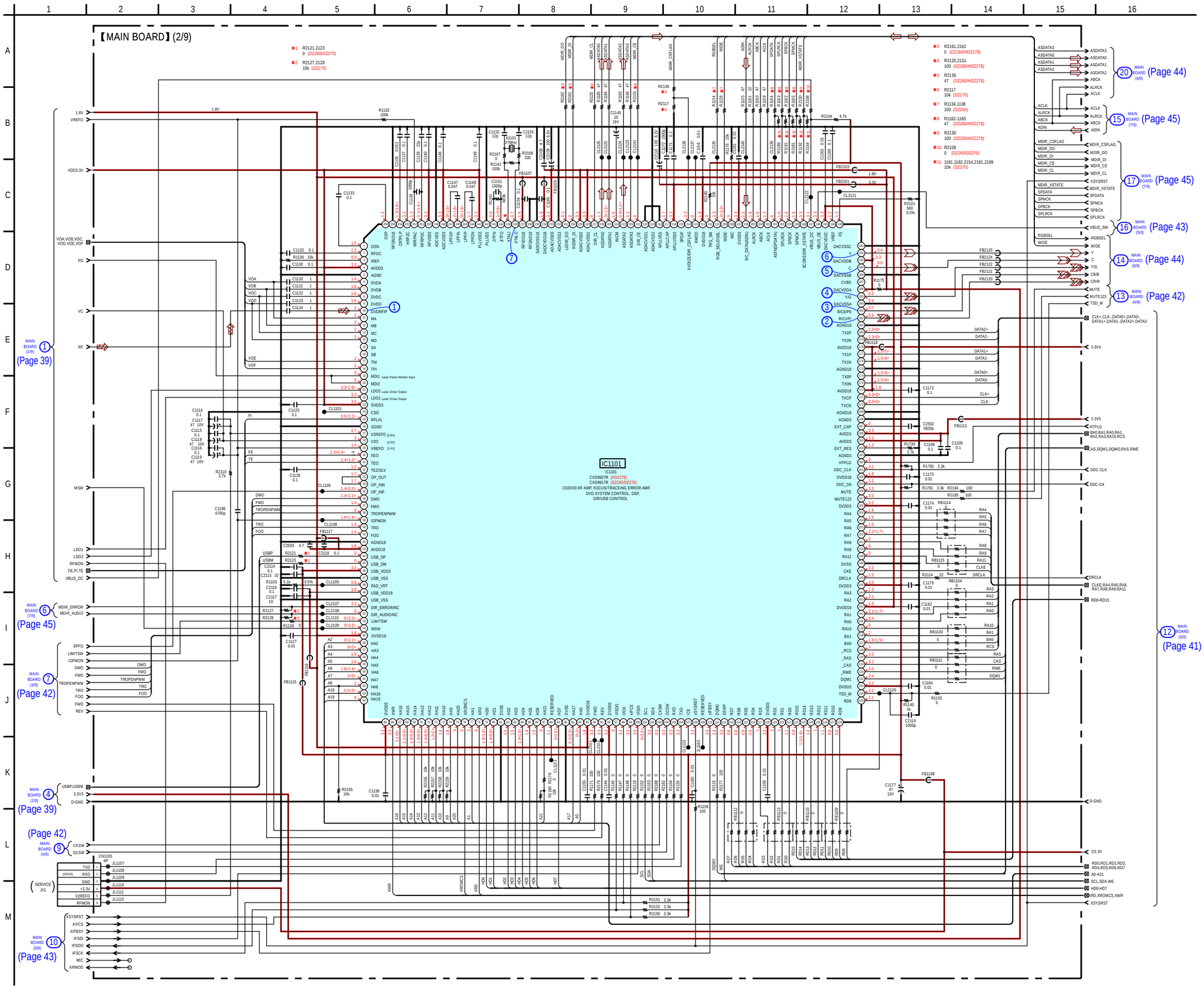
## 6-8. SCHEMATIC DIAGRAM – MAIN Board (1/9) –

• See page 59 for IC Block Diagrams.



## 6-9. SCHEMATIC DIAGRAM – MAIN Board (2/9) –

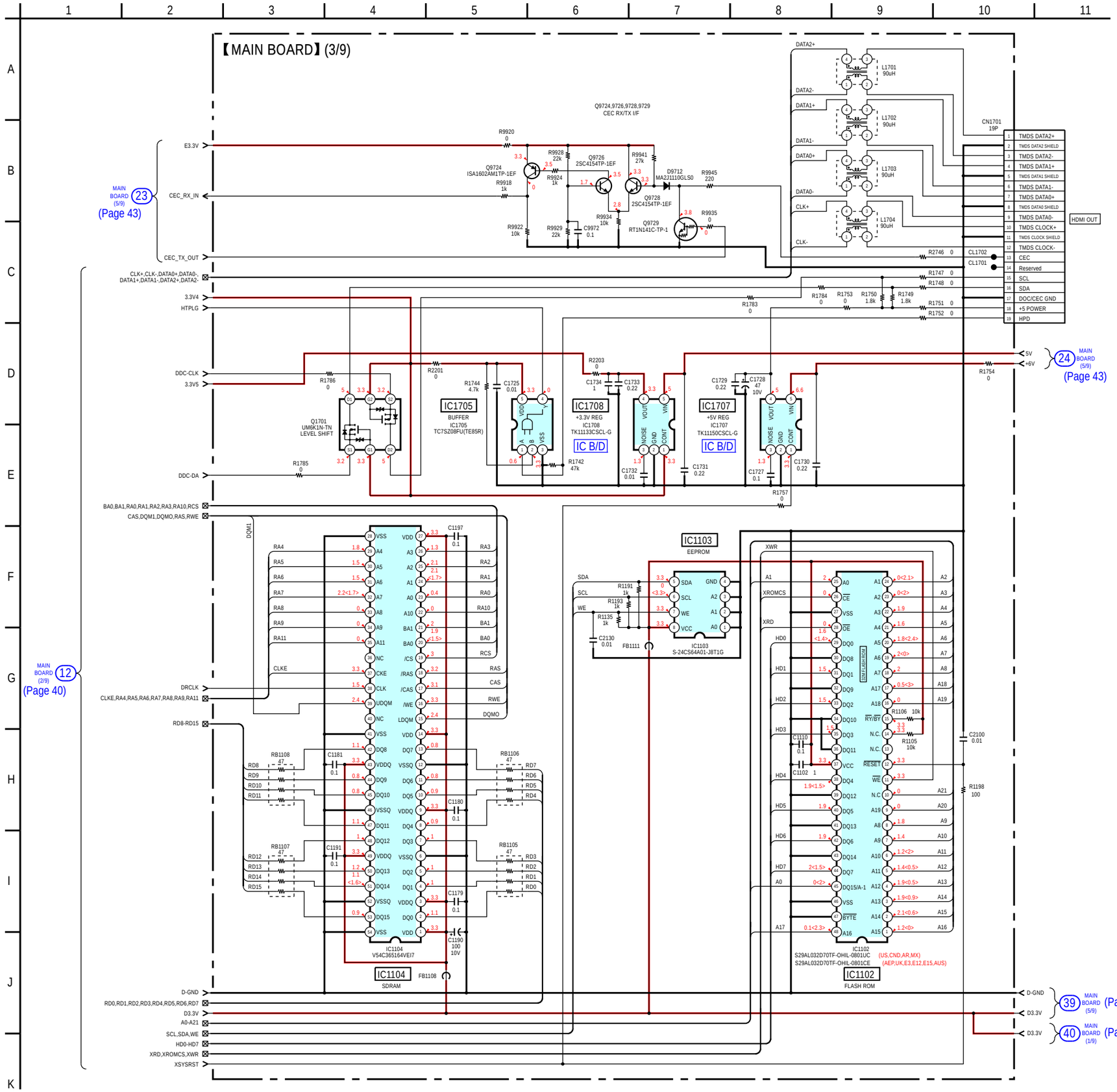
• See page 31 for waveforms. • See page 64 for IC Pin Function Description of IC1101.



## 6-10. SCHEMATIC DIAGRAM – MAIN Board (3/9) –

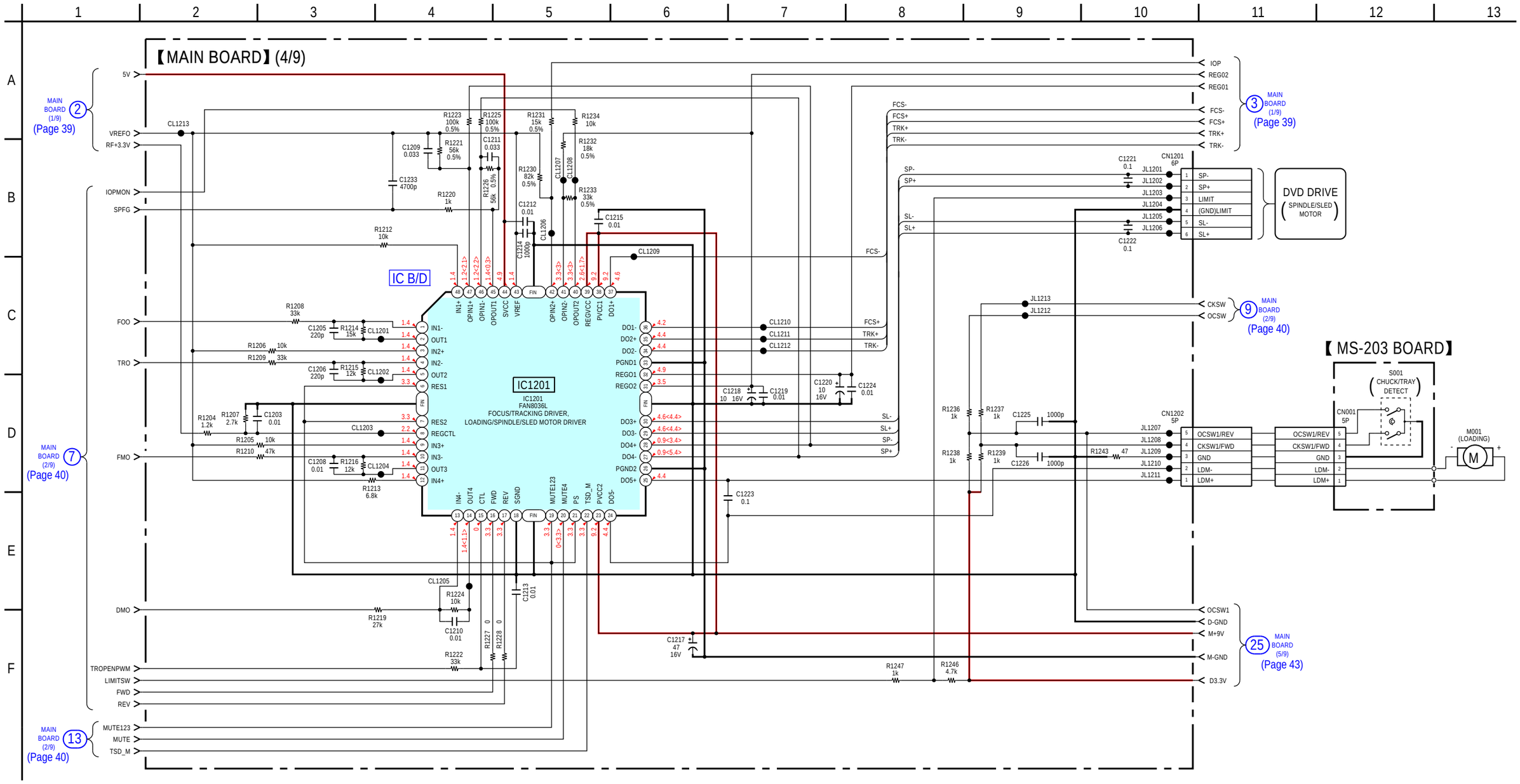
• See page 59 for IC Block Diagrams.

When IC1103 on the Main board is damaged, exchange the new Main board for the Main board which IC damaged.



## 6-11. SCHEMATIC DIAGRAM – MAIN Board (4/9), MS-203 Board –

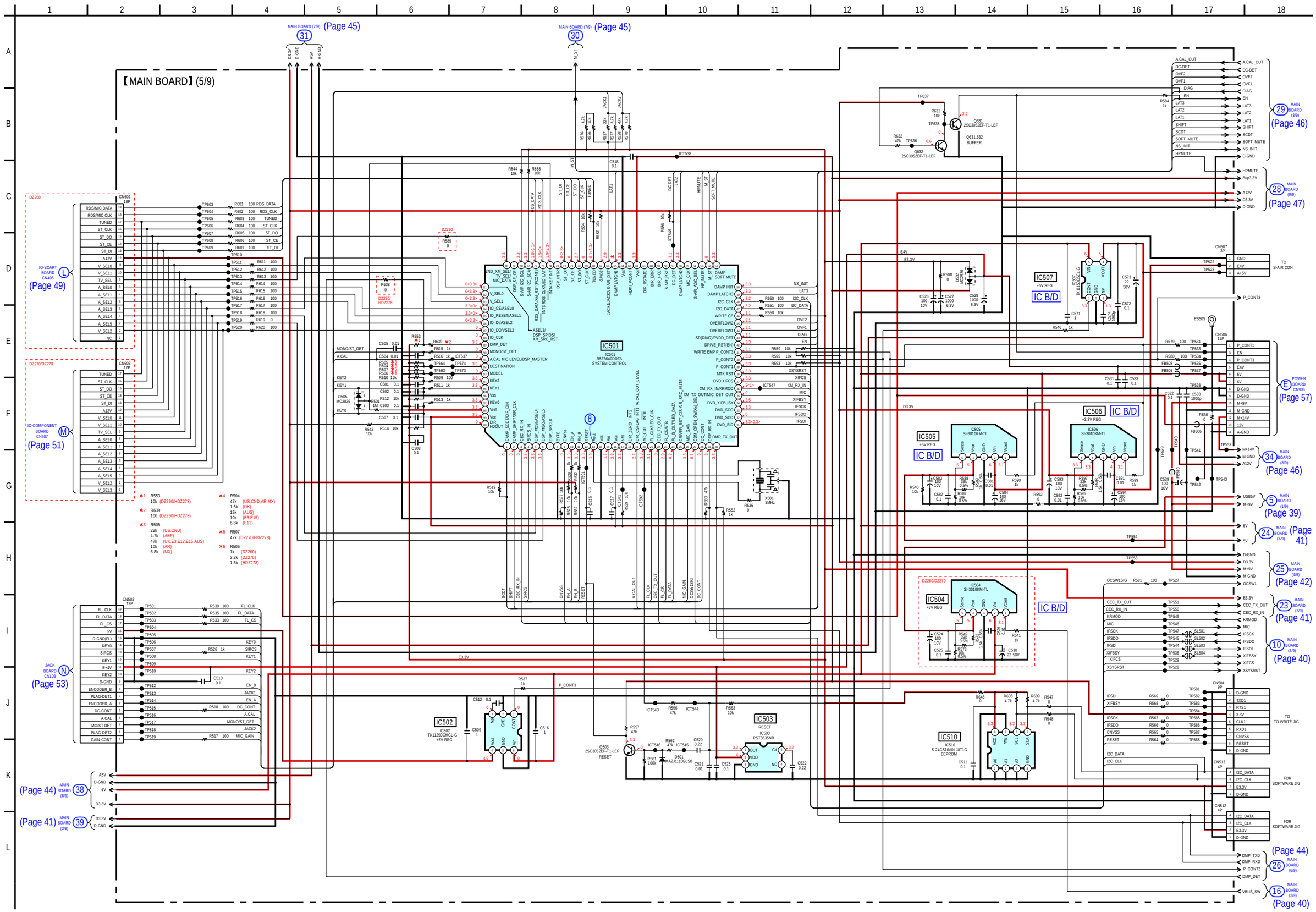
• See page 58 for IC Block Diagram.



## 6-12. SCHEMATIC DIAGRAM – MAIN Board (5/9) –

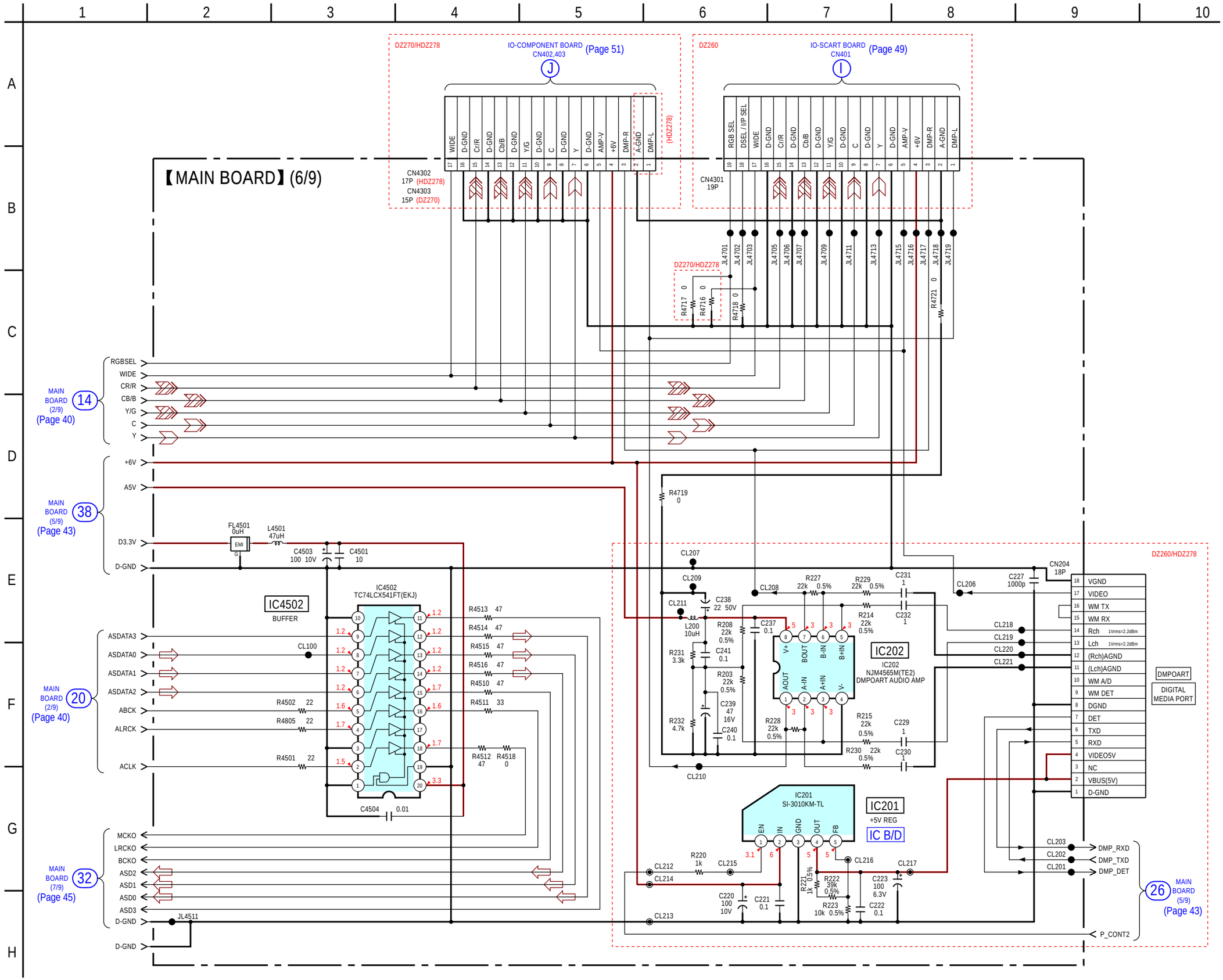
• See page 31 for waveform. • See page 59, 63 for IC Block Diagrams. • See page 68 for IC Pin Function Description of IC501.

When IC501 and IC510 on the Main board are damaged, exchange the new Main board for the Main board which IC damaged.



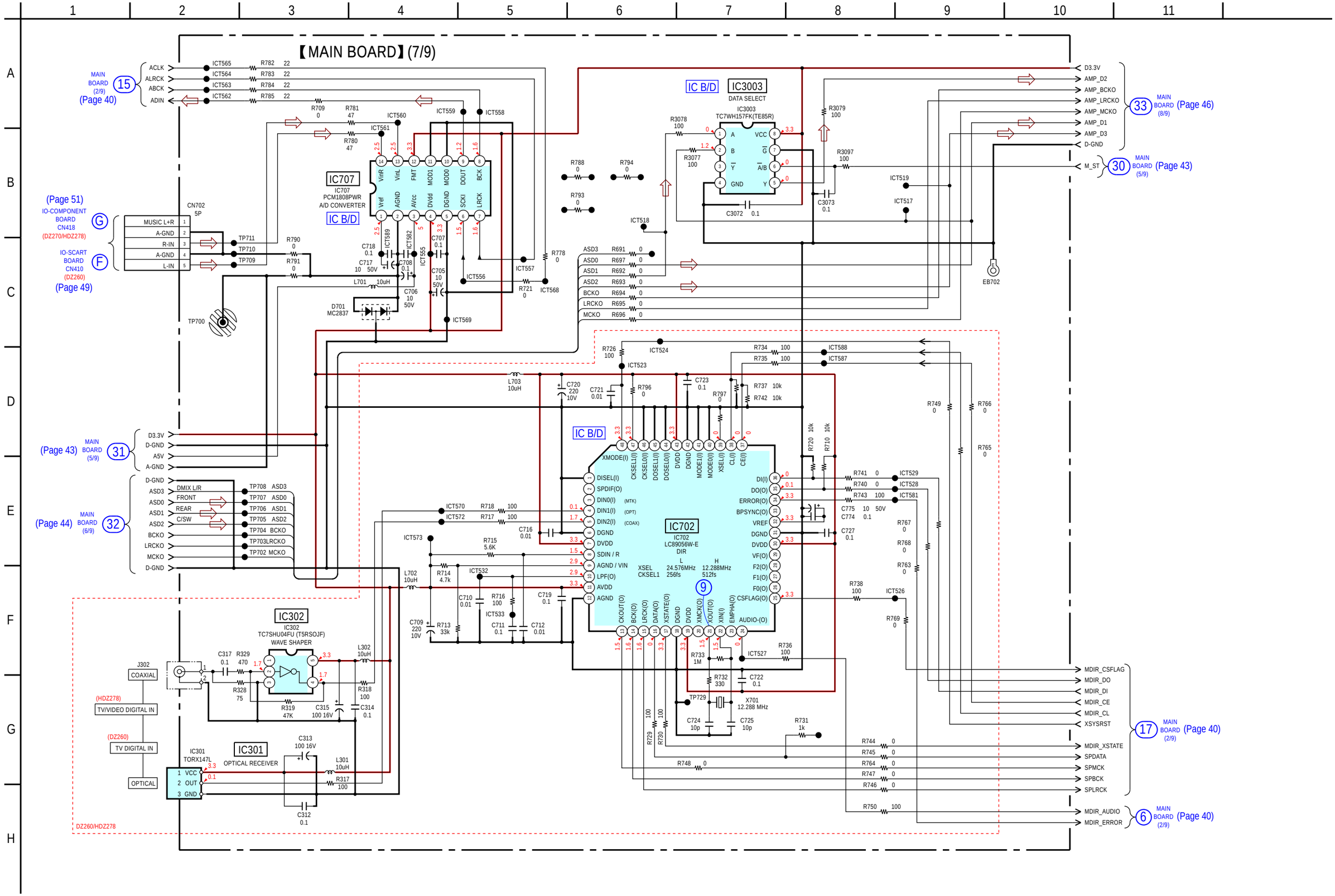
## 6-13. SCHEMATIC DIAGRAM – MAIN Board (6/9) –

• See page 63 for IC Block Diagram.



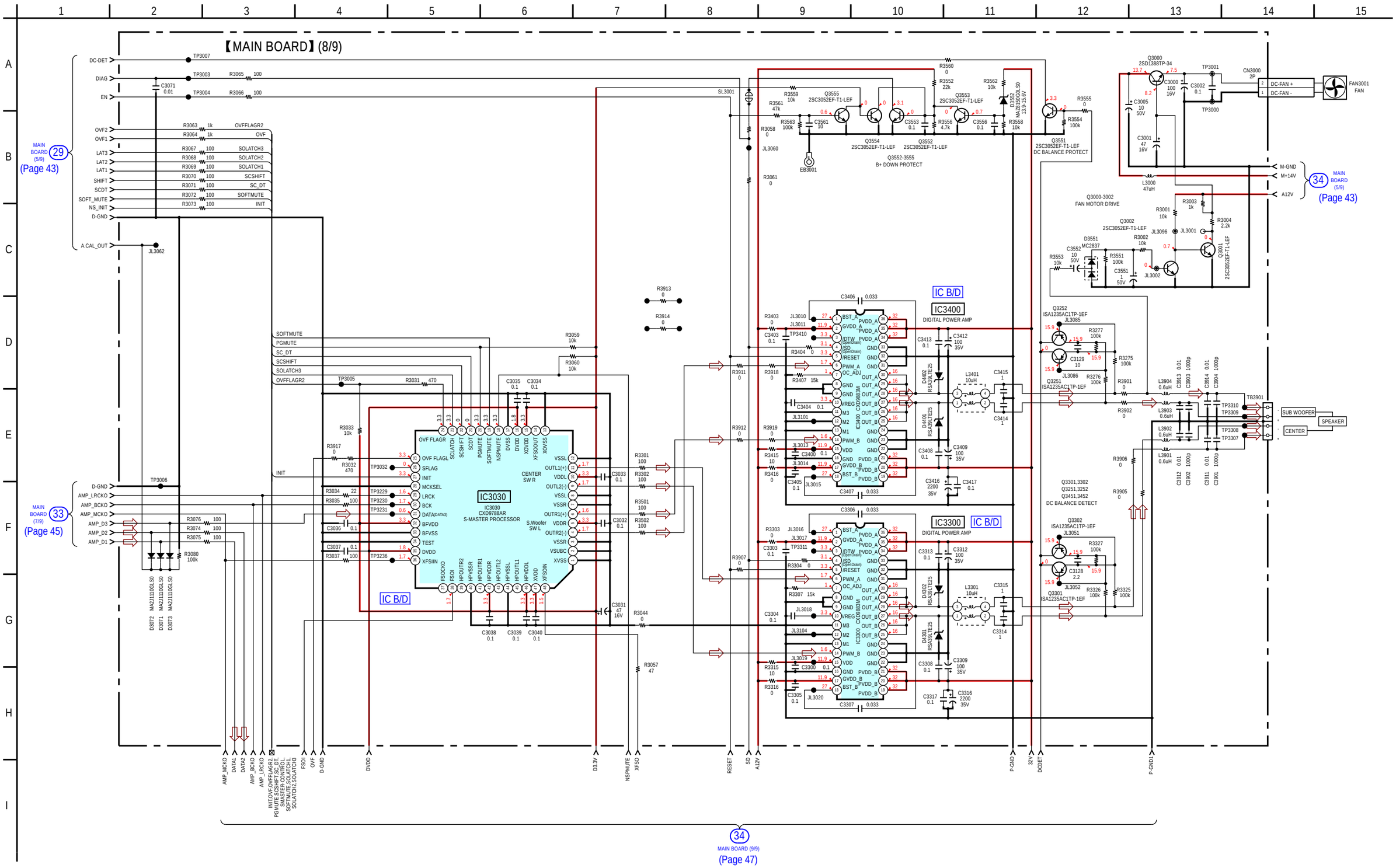
## 6-14. SCHEMATIC DIAGRAM – MAIN Board (7/9) –

• See page 31 for waveform. • See page 58, 59, 60 for IC Block Diagrams.



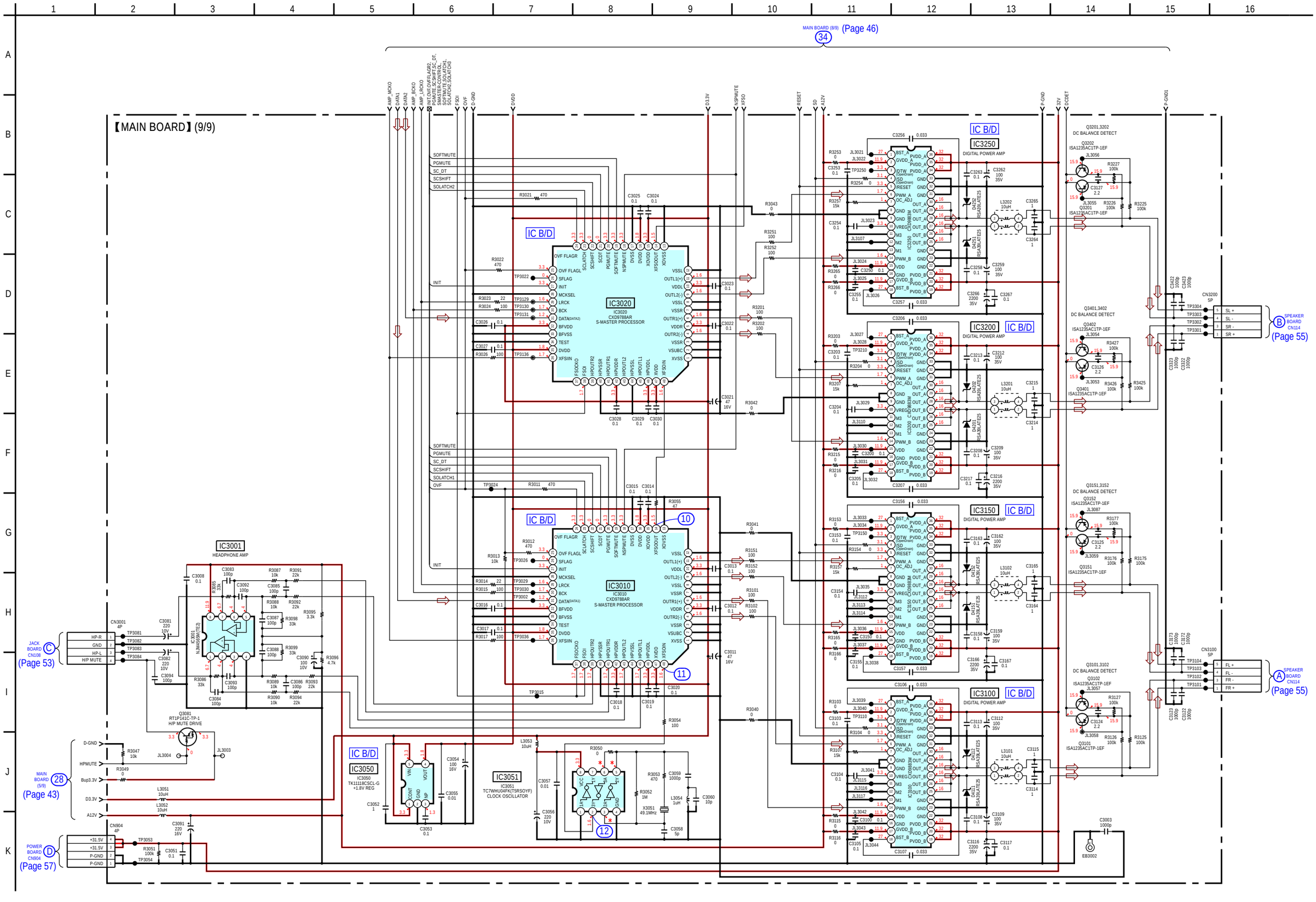
## 6-15. SCHEMATIC DIAGRAM – MAIN Board (8/9) –

• See page 58, 61 for IC Block Diagrams.



## 6-16. SCHEMATIC DIAGRAM – MAIN Board (9/9) –

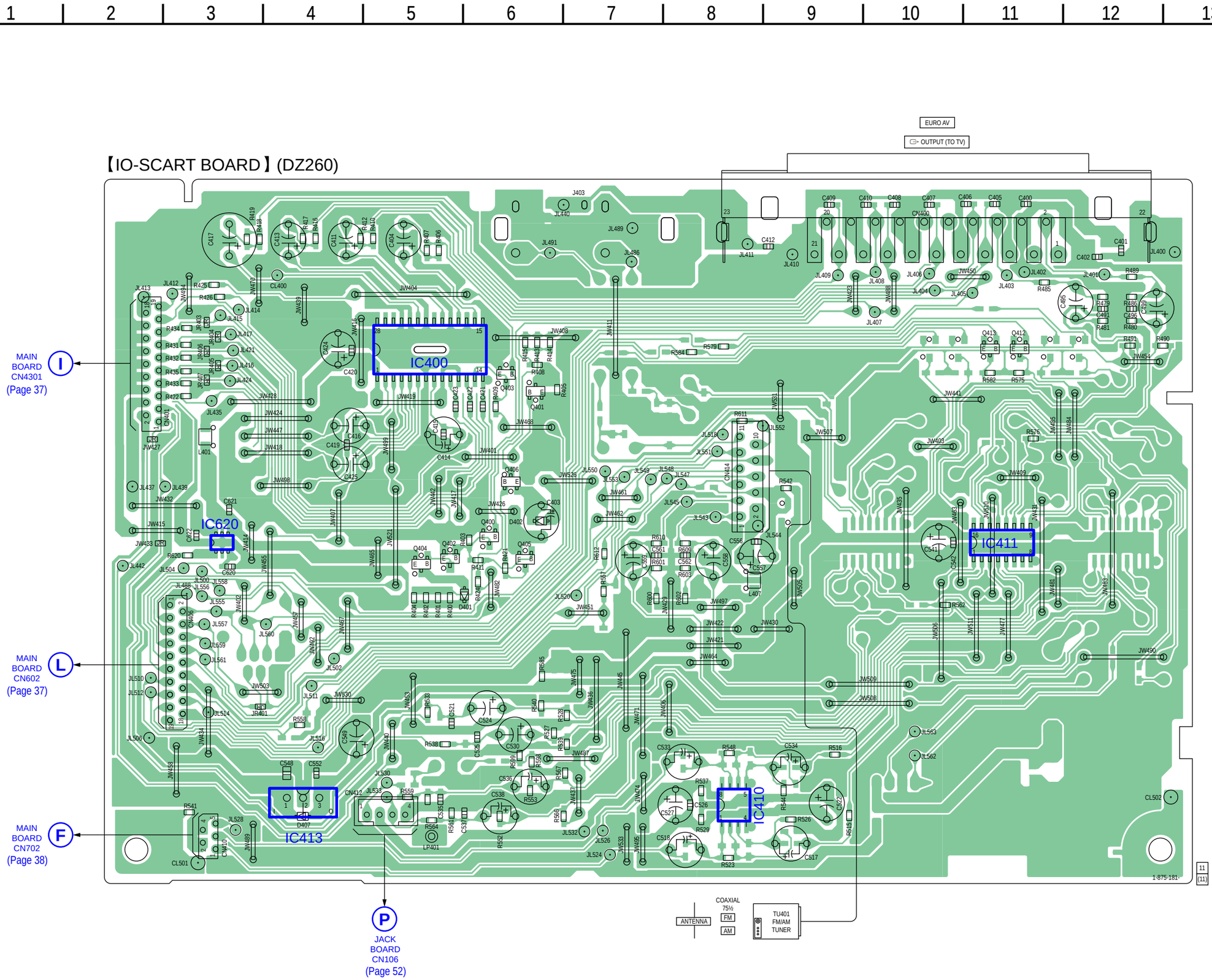
• See page 31 for waveforms. • See page 58, 59, 61 for IC Block Diagrams.



## 6-17. PRINTED WIRING BOARD – IO-SCART Board (DZ260) –

• See page 31 for Circuit Boards Location. • : Uses unleaded solder.

【IO-SCART BOARD】(DZ260)

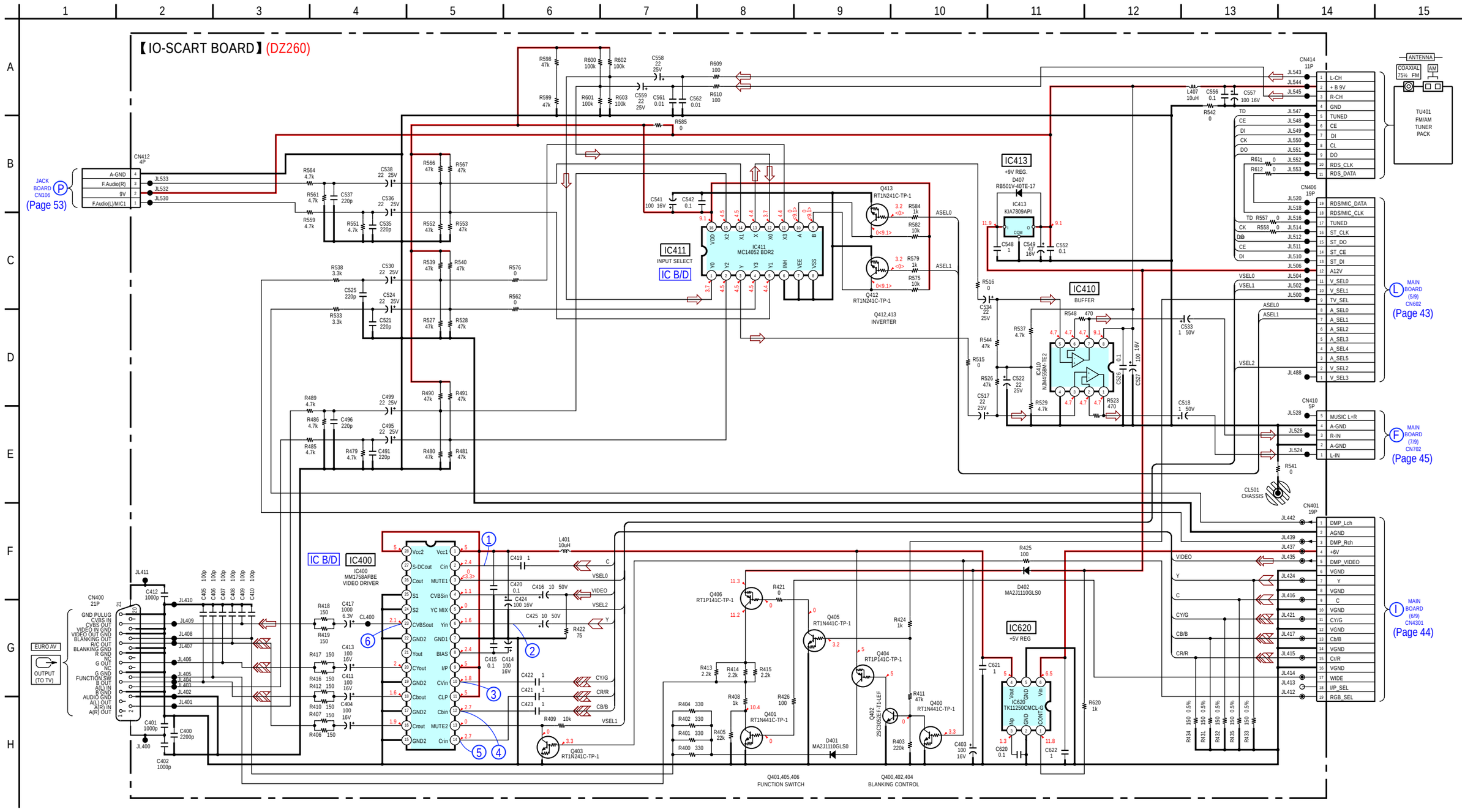



• **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D401 | F-6 |
| D402 | E-6 |
| D407 | H-4 |
| IC400 | D-5 |
| IC410 | H-8 |
| IC411 | F-11 |
| IC413 | H-4 |
| IC620 | F-3 |
| Q400 | F-6 |
| Q401 | D-6 |
| Q402 | F-5 |
| Q403 | D-6 |
| Q404 | F-5 |
| Q405 | F-6 |
| Q406 | E-6 |
| Q412 | D-11 |
| Q413 | D-11 |

## 6-18. SCHEMATIC DIAGRAM – IO-SCART Board (DZ260) –

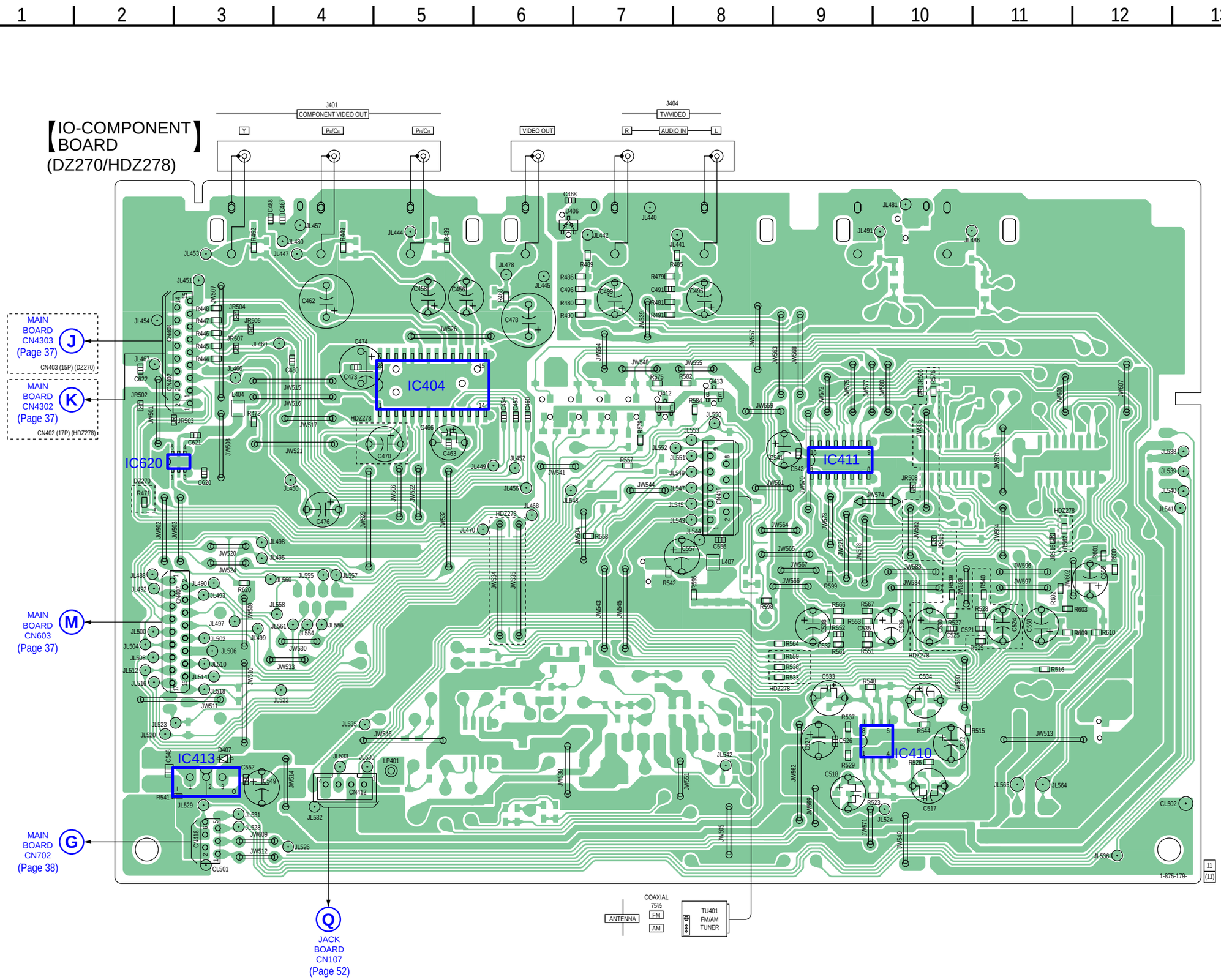
• See page 31 for waveforms. • See page 62 for IC Block Diagrams.



## 6-19. PRINTED WIRING BOARD – IO-COMPONENT Board (DZ270/HDZ278) –

• See page 31 for Circuit Boards Location. • : Uses unleaded solder.

【IO-COMPONENT BOARD (DZ270/HDZ278)】

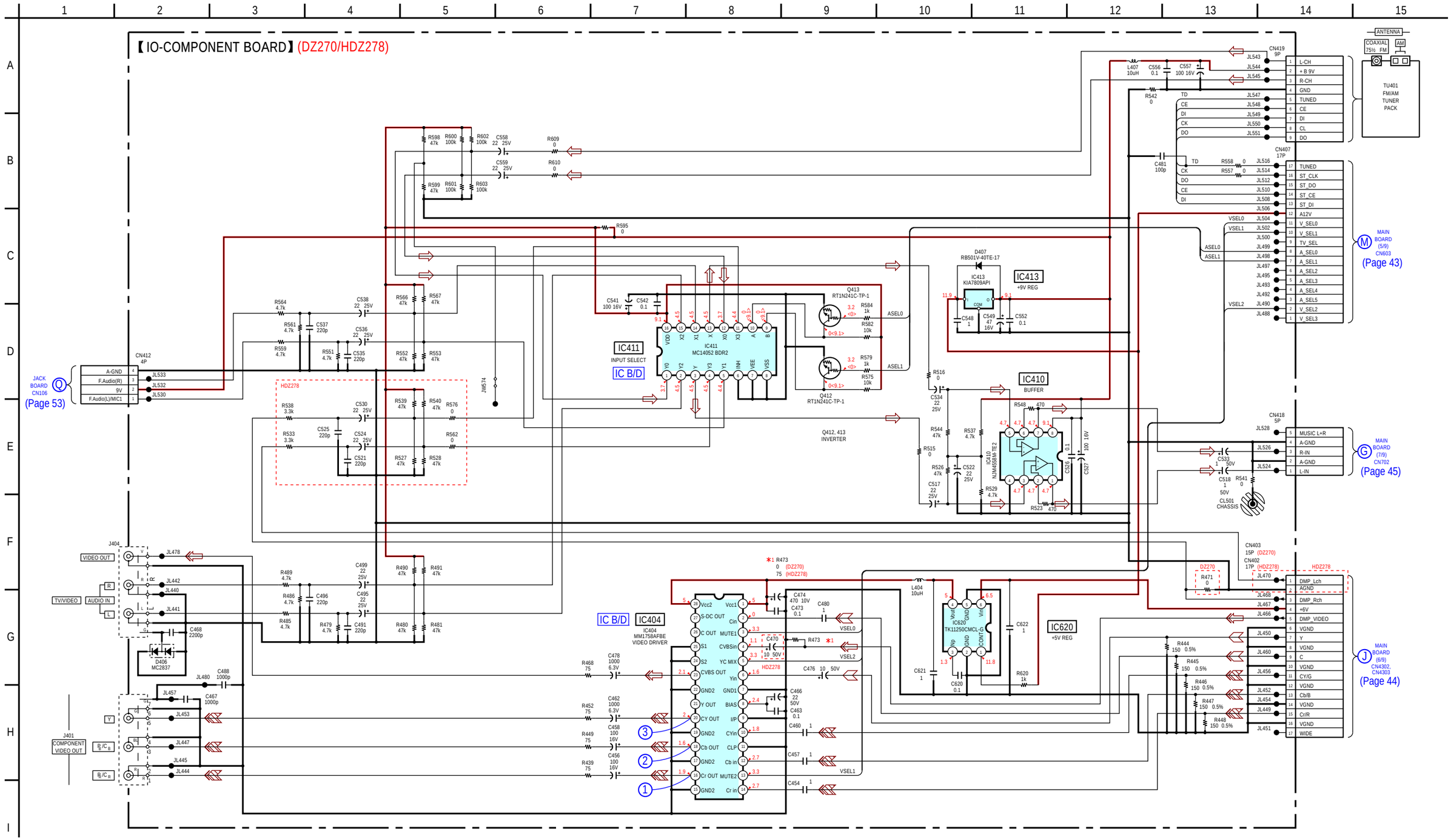



- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D406 | B-6 |
| D407 | H-3 |
| IC404 | D-5 |
| IC410 | H-10 |
| IC411 | E-9 |
| IC413 | H-3 |
| IC620 | E-2 |
| Q412 | D-7 |
| Q413 | D-8 |

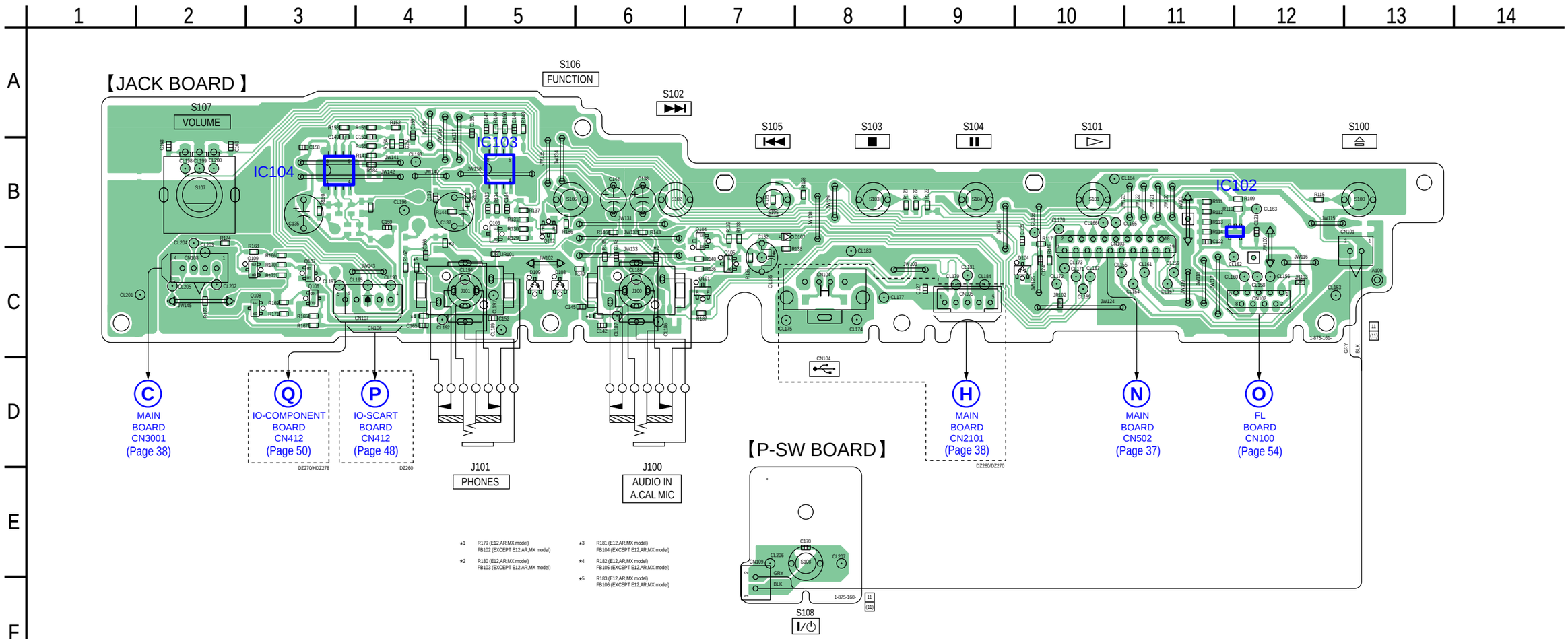
## 6-20. SCHEMATIC DIAGRAM – IO-COMPONENT Board (DZ270/HDZ278) –

• See page 31 for waveforms. • See page 62 for IC Block Diagrams.



## 6-21. PRINTED WIRING BOARDS – JACK, P-SW Board –

• See page 31 for Circuit Boards Location. • : Uses unleaded solder.




∗1 R179 (E12,AR,MX model)
FB102 (EXCEPT E12,AR,MX model)

∗2 R180 (E12,AR,MX model)
FB103 (EXCEPT E12,AR,MX model)

∗3 R181 (E12,AR,MX model)
FB104 (EXCEPT E12,AR,MX model)

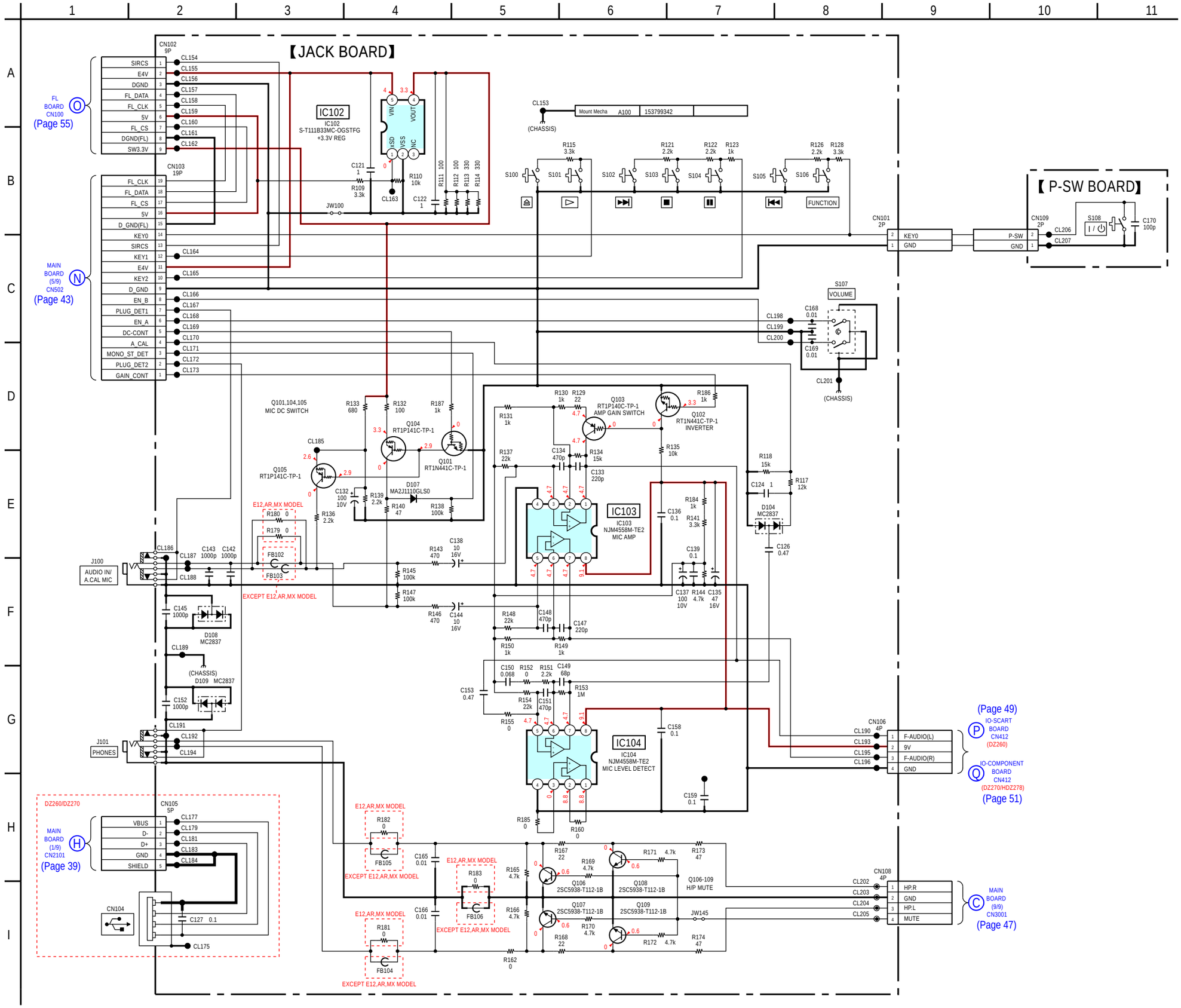
∗4 R182 (E12,AR,MX model)
FB105 (EXCEPT E12,AR,MX model)

∗5 R183 (E12,AR,MX model)
FB106 (EXCEPT E12,AR,MX model)

- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D104 | C-10 |
| D107 | B-8 |
| D108 | C-5 |
| D109 | C-5 |
| IC102 | B-12 |
| IC103 | B-5 |
| IC104 | B-3 |
| Q101 | C-7 |
| Q102 | B-5 |
| Q103 | B-5 |
| Q104 | B-7 |
| Q105 | C-7 |
| Q106 | C-3 |
| Q107 | C-3 |
| Q108 | C-3 |
| Q109 | C-3 |

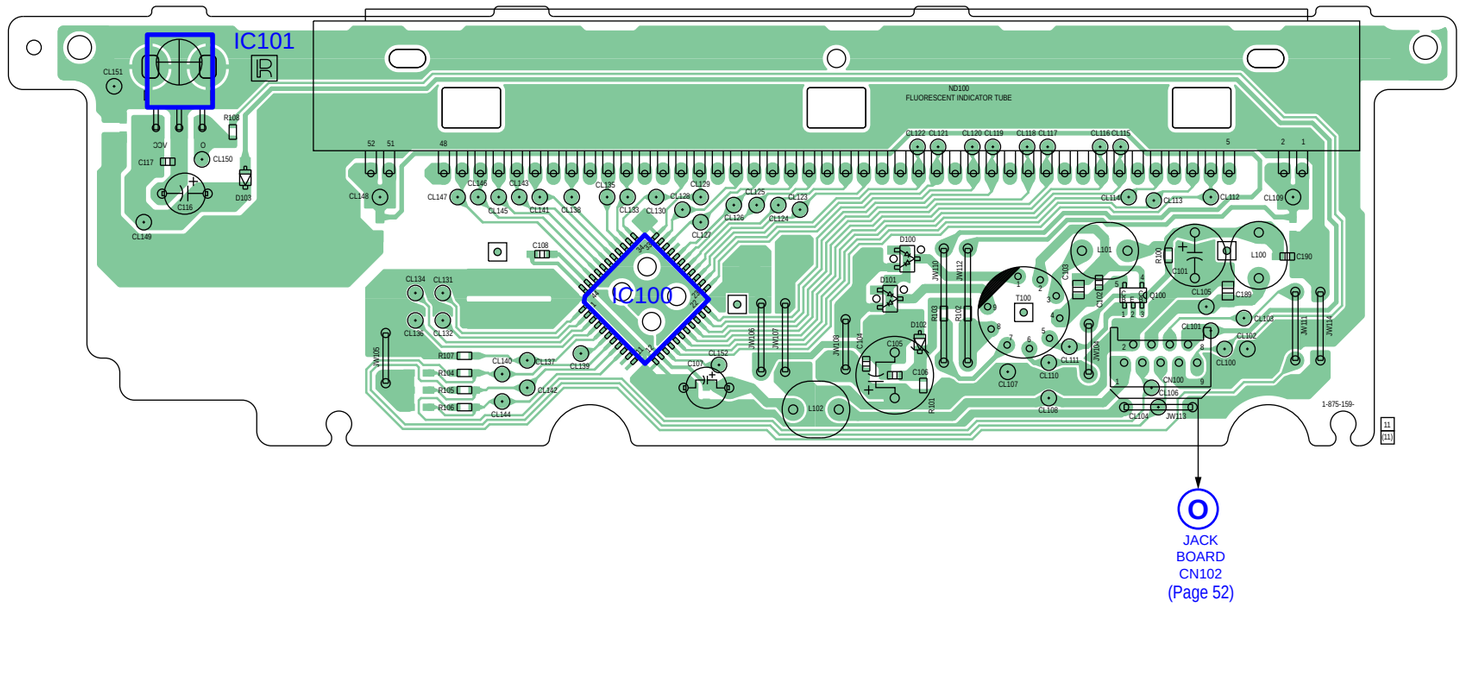
## 6-22. SCHEMATIC DIAGRAM – JACK, P-SW Board –



## 6-23. PRINTED WIRING BOARDS – FL, MS-203, SPEAKER Board –

• See page 31 for Circuit Boards Location. • : Uses unleaded solder.

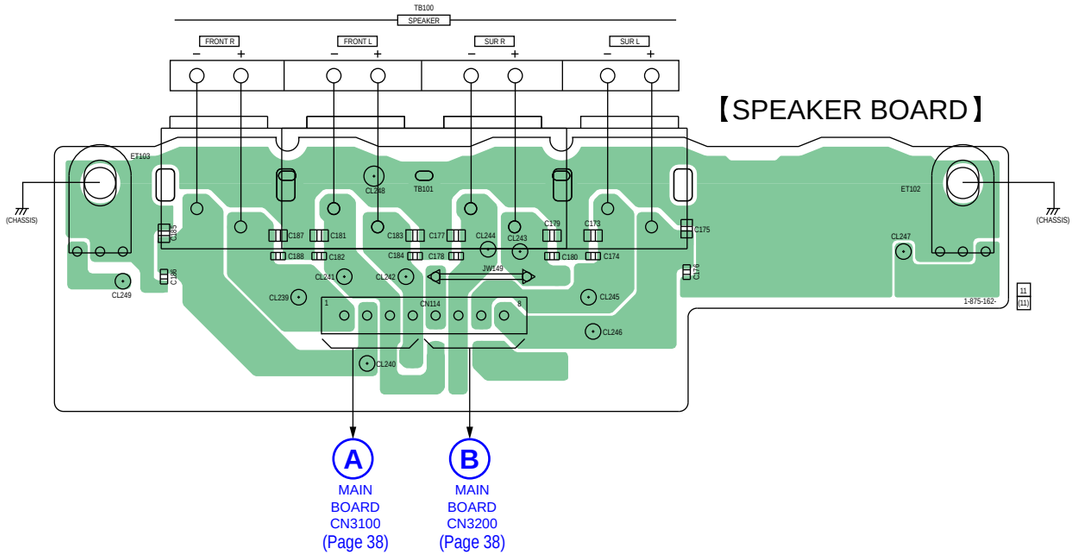
【FL BOARD】



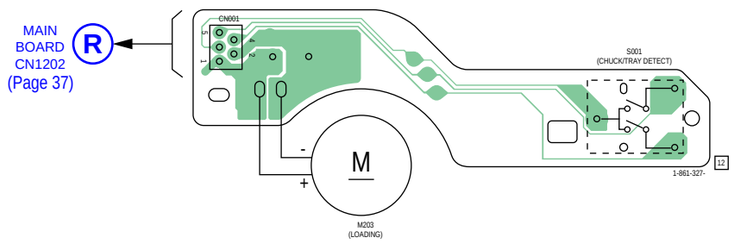

- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D100 | C-7 |
| D101 | C-7 |
| D102 | C-7 |
| D103 | B-3 |
| IC100 | C-5 |
| IC101 | B-3 |
| Q100 | C-8 |

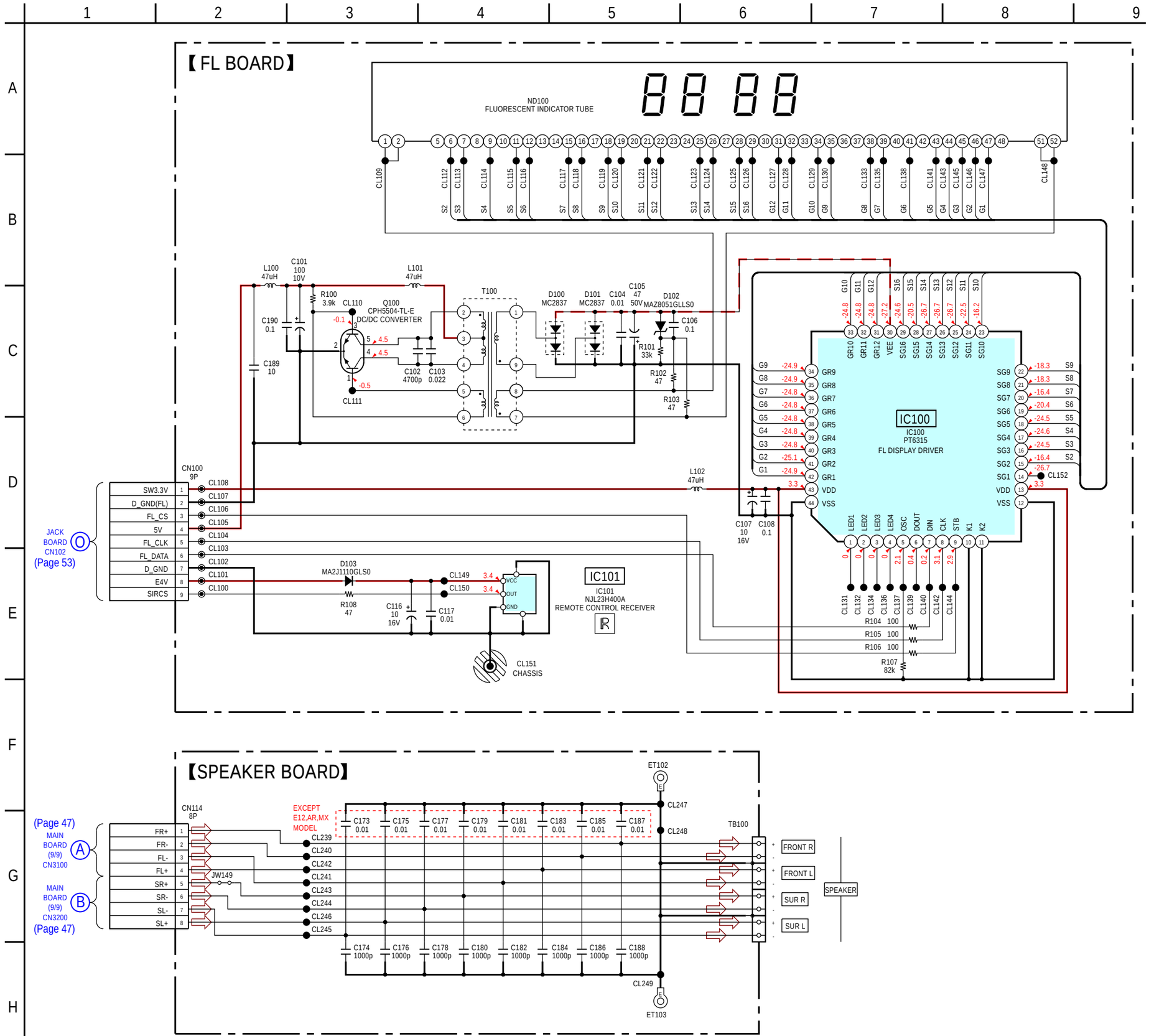
【SPEAKER BOARD】




【MS-203 BOARD】

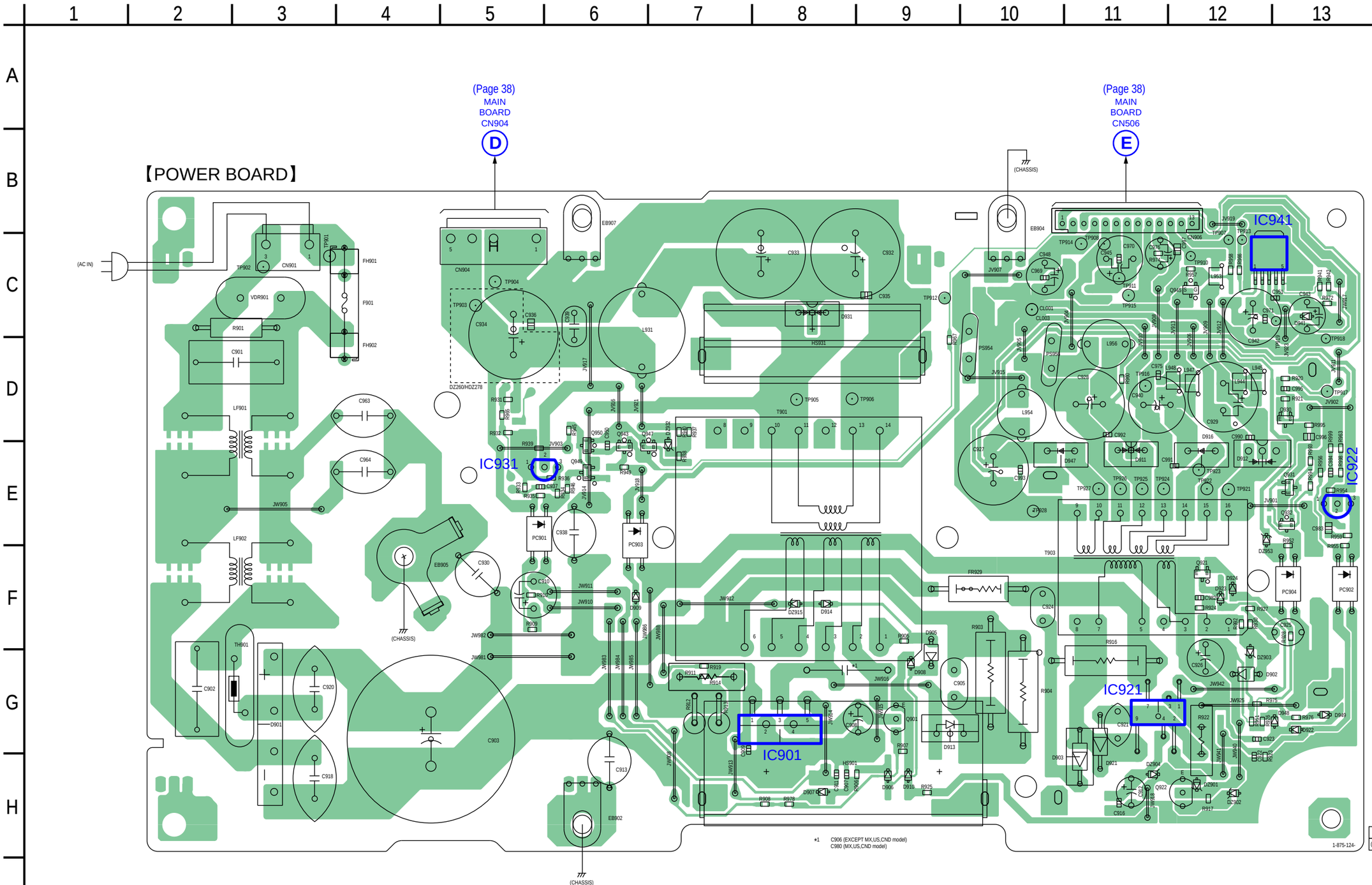


## 6-24. SCHEMATIC DIAGRAM – FL, SPEAKER Board –



## 6-25. PRINTED WIRING BOARD – POWER Board –

• See page 31 for Circuit Boards Location. • : Uses unleaded solder.




- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D901 | G-3 |
| D902 | G-12 |
| D903 | H-10 |
| D905 | F-9 |
| D906 | H-9 |
| D907 | H-8 |
| D908 | G-9 |
| D909 | F-6 |
| D910 | H-9 |
| D911 | E-11 |
| D912 | E-12 |
| D913 | G-9 |
| D914 | F-8 |
| D916 | E-12 |
| D921 | H-11 |
| D922 | G-13 |
| D923 | F-12 |
| D924 | F-12 |
| D931 | C-8 |
| D941 | C-13 |
| D947 | E-11 |
| D948 | G-13 |
| D949 | G-13 |
| DZ901 | H-12 |
| DZ902 | H-12 |
| DZ903 | G-13 |
| DZ904 | H-11 |
| DZ915 | F-8 |
| DZ932 | D-7 |
| DZ953 | F-12 |
| IC901 | G-8 |
| IC921 | G-11 |
| IC922 | E-13 |
| IC931 | E-5 |
| IC941 | B-12 |
| Q901 | G-9 |
| Q921 | F-12 |
| Q922 | H-12 |
| Q930 | D-13 |
| Q931 | E-13 |
| Q932 | E-13 |
| Q943 | E-6 |
| Q945 | C-12 |
| Q947 | E-6 |
| Q949 | E-6 |
| Q950 | E-6 |

## 6-26. SCHEMATIC DIAGRAM – POWER Board –

• See page 63 for IC Block Diagrams.

【POWER BOARD】

*1 F901
8A 125V (US,CND,MX)
T6.3AL 250V (EXCEPT US,CND,MX)

*2 R901
1M 1/2W (US,CND,MX)
1.5M 1/2W (EXCEPT US,CND,MX)

*3 C963,964
2200p 250V (US,CND,MX)
470p 250V (EXCEPT US,CND,MX)

*4 C903
1000 200V (US,CND)
330 400V (AEP,UK)
330 450V (E3,E12,E15,AUS,AR)
1000 250V (MX)

*5 C905
0.01 400V (US,CND,MX)
3300p 400V (EXCEPT US,CND,MX)

*6 R903,904
33k 3W (US,CND,MX)
100k 3W (EXCEPT US,CND,MX)

*7 R914
0.05 5W (US,CND,MX)
0.1 5W (EXCEPT US,CND,MX)

*8 R912
0.22 2W (US,CND,MX)
0.33 2W (EXCEPT US,CND,MX)

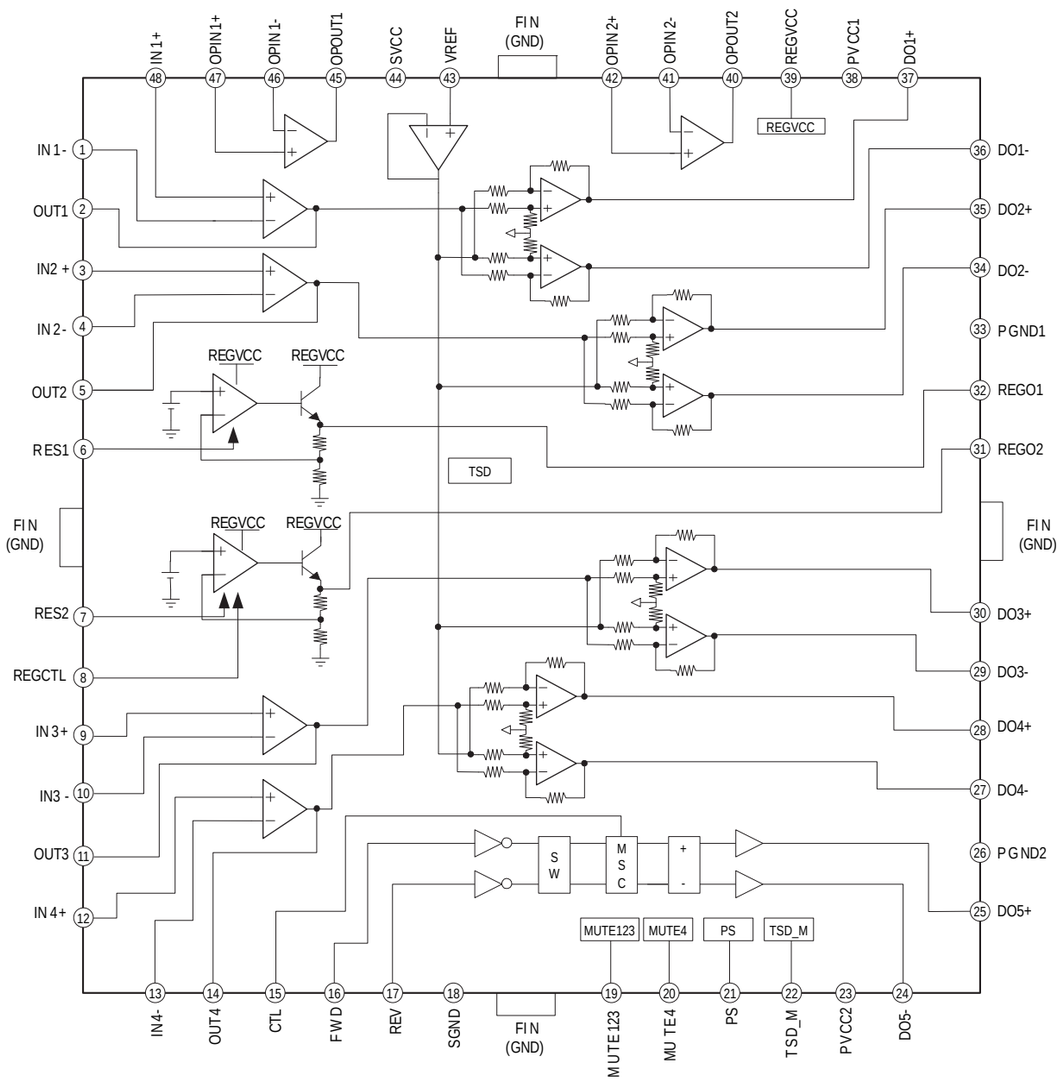
*9 C907
1500p (US,CND,MX)
1000p (EXCEPT US,CND,MX)

*10 C910
10 50V (US,CND,MX)
22 50V (EXCEPT US,CND,MX)

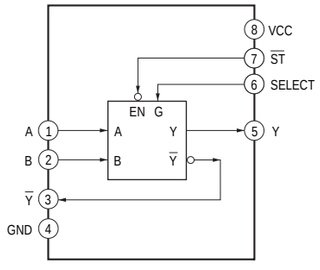
MAIN BOARD (9/9) CN904 (Page 47)
MAIN BOARD (5/9) CN506 (Page 43)

- **IC Block Diagrams**

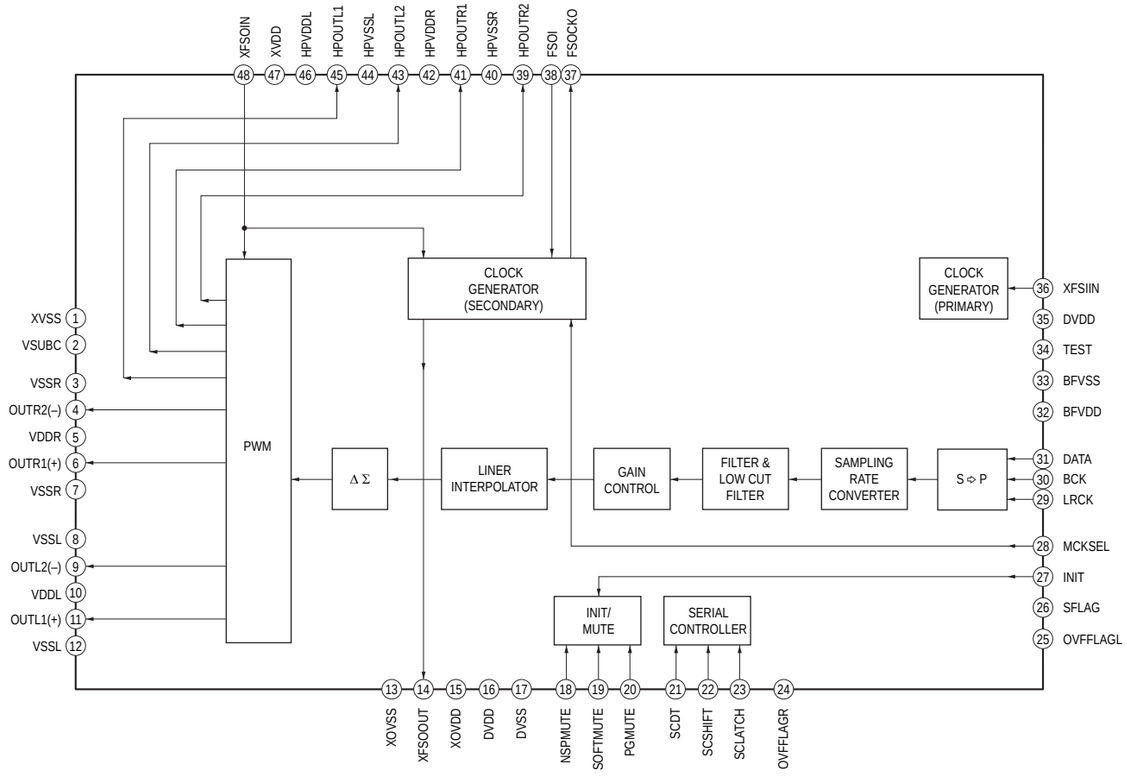
### IC1201 FAN8036L (MAIN Board (4/9))



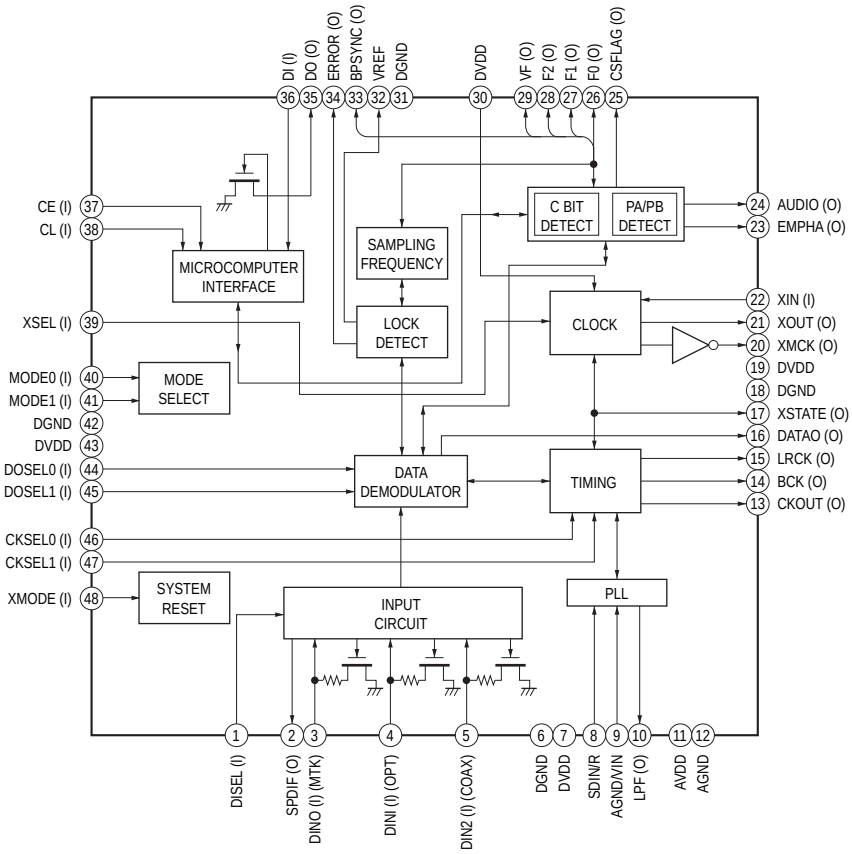

### IC3003 TC7WH157FK(TE85R) (MAIN Board (7/9))



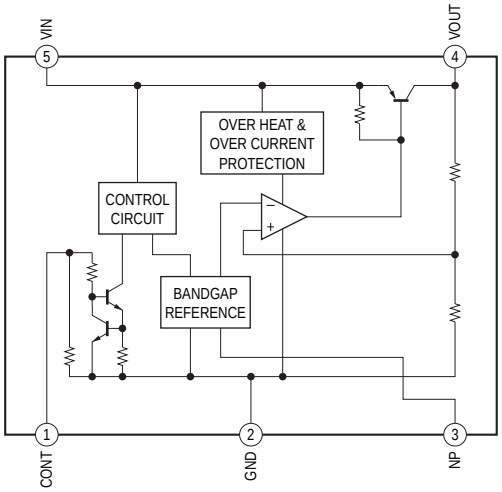

### IC3010 CDX9788AR (MAIN Board (9/9))
### IC3020 CDX9788AR (MAIN Board (9/9))
### IC3030 CDX9788AR (MAIN Board (8/9))



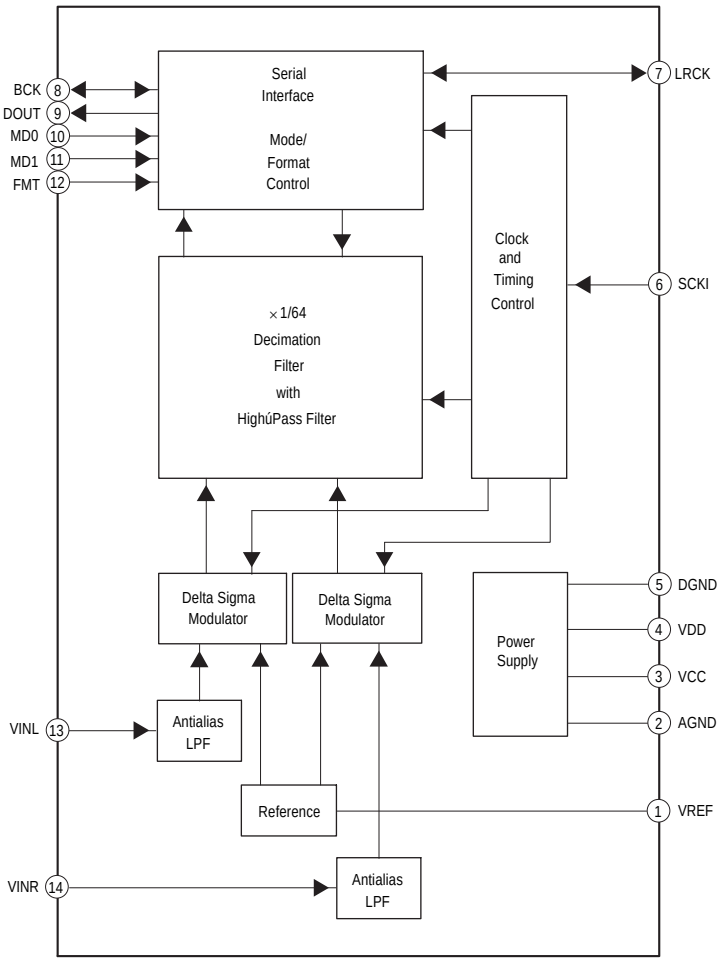
## IC702 LC89056W-E (MAIN Board (7/9))



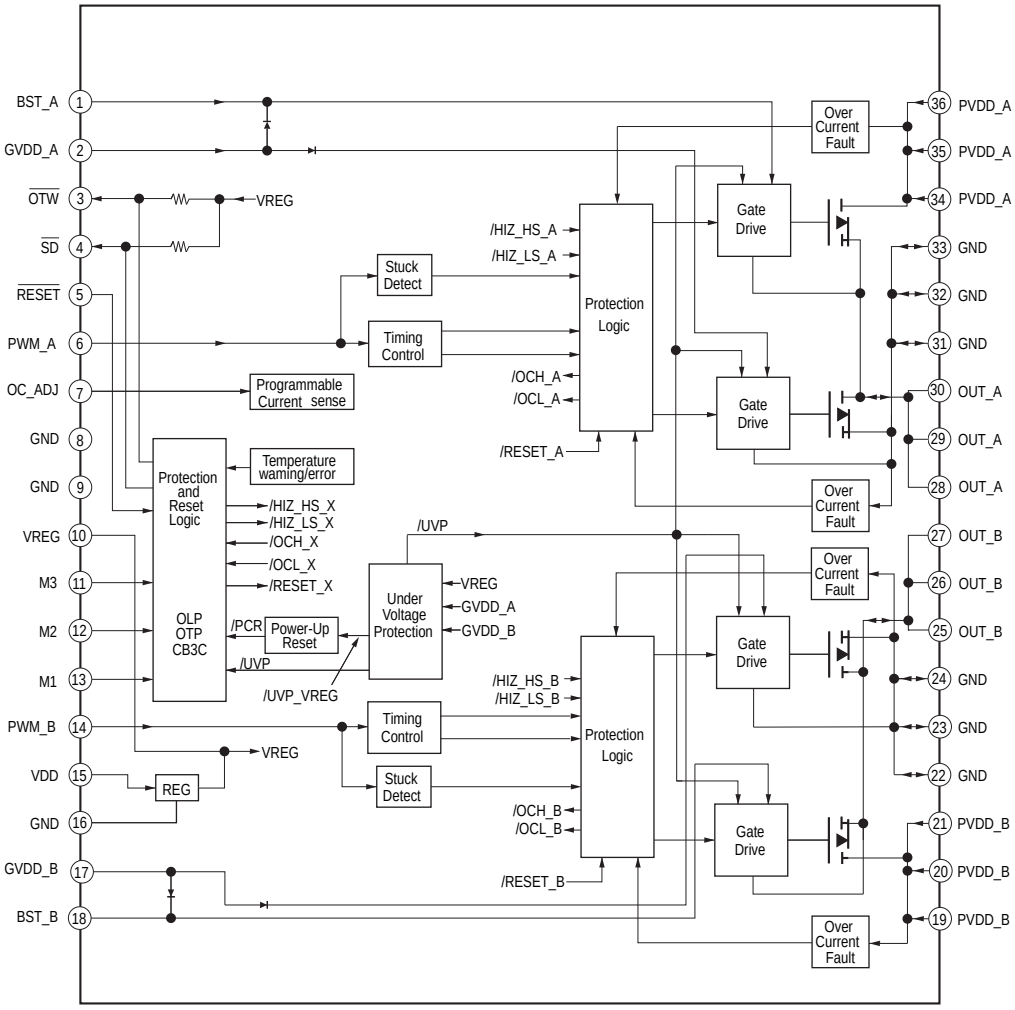

## IC507 TK11150CSCL-G (MAIN Board (5/9))
## IC1105 TK11133CSCL-G (MAIN Board (1/9))
## IC1107 TK11133CSCL-G (MAIN Board (1/9))
## IC1707 TK11150CSCL-G (MAIN Board (3/9))
## IC1708 TK11133CSCL-G (MAIN Board (3/9))
## IC3050 TK11118CSCL-G (MAIN Board (9/9))



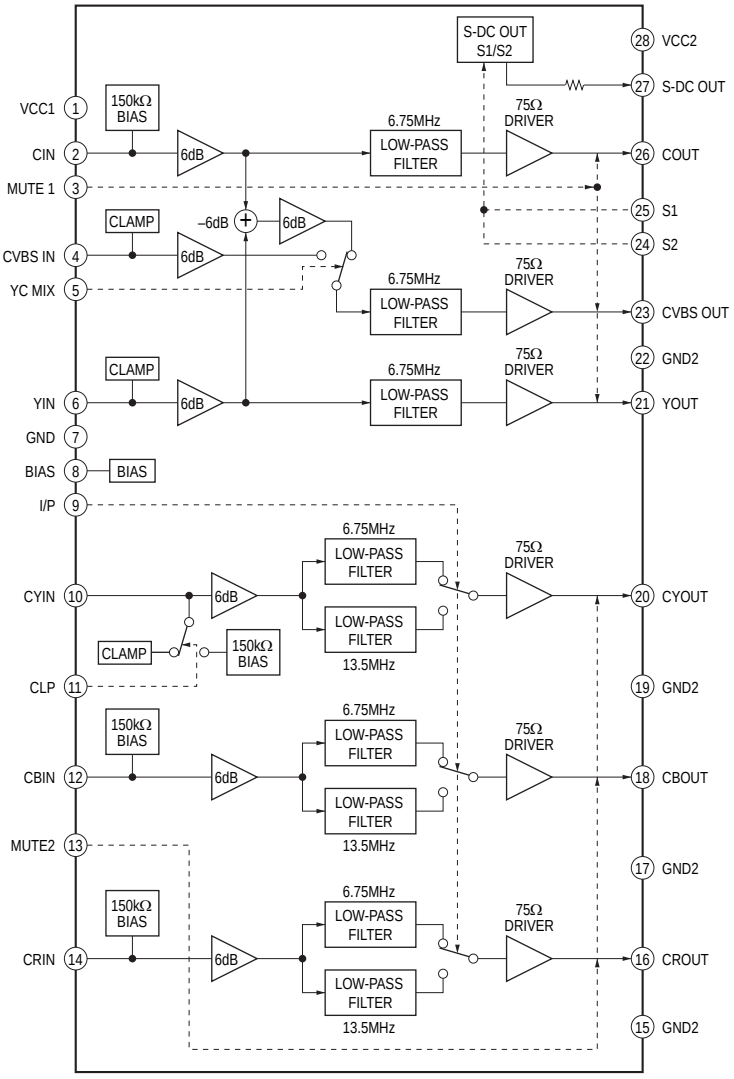
## IC707 PCM1808PWR (MAIN Board (7/9))



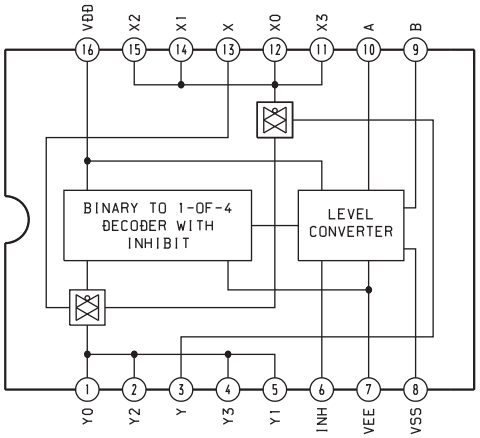
**IC3100 CXD9883M (MAIN Board (9/9))**
**IC3150 CXD9883M (MAIN Board (9/9))**
**IC3200 CXD9883M (MAIN Board (9/9))**
**IC3250 CXD9883M (MAIN Board (9/9))**
**IC3300 CXD9883M (MAIN Board (8/9))**
**IC3400 CXD9883M (MAIN Board (8/9))**



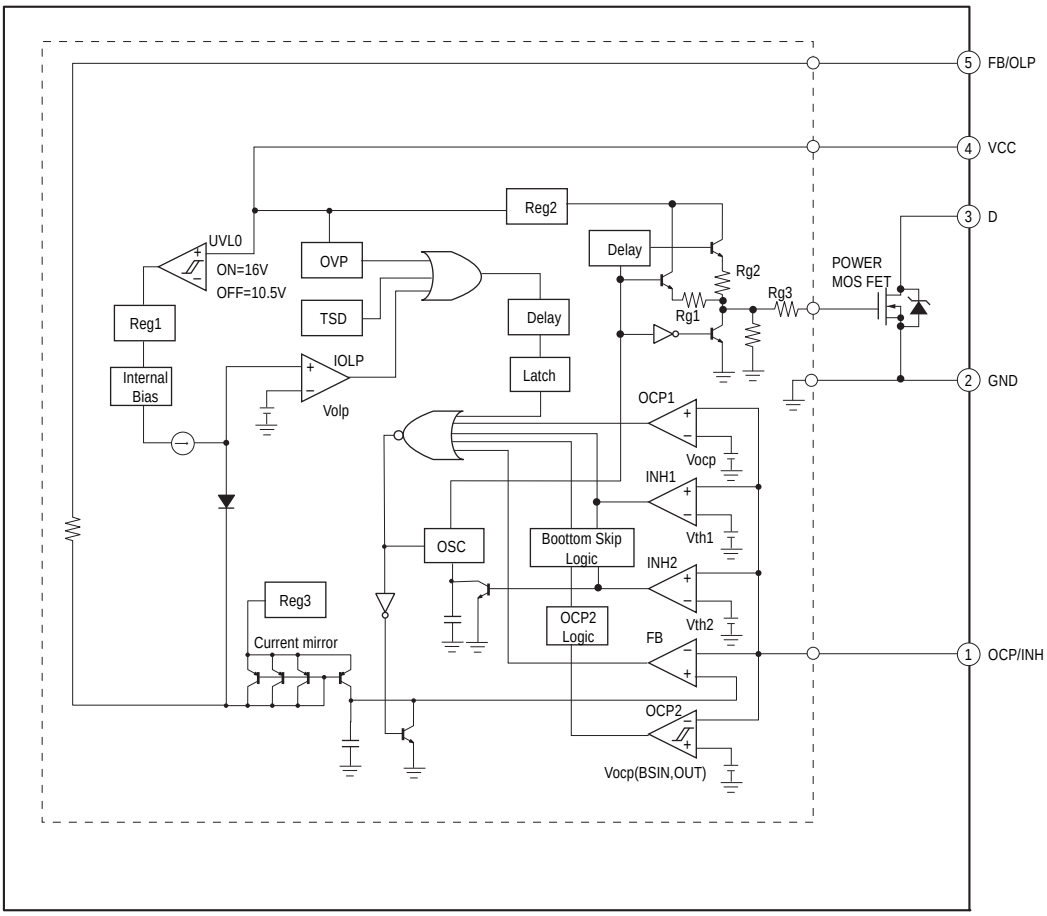
## IC400 MM1758AFBE (IO-SCART Board (DZ260))
## IC404 MM1758AFBE (IO-COMPONENT Board (DZ270/HDZ278))



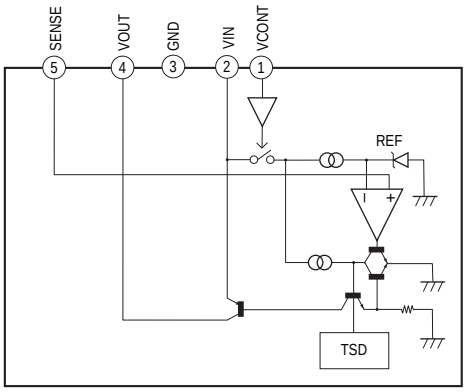

## IC411 MC14052BDR2 (IO-SCART Board (DZ260))
## IC411 MC14052BDR2 (IO-COMPONENT Board (DZ270/HDZ278))



## IC901 STR-F6138-LF1352 (POWER Board)




## IC941 SI-3010KM-TL (POWER Board)
## IC201 SI-3010KM-TL (MAIN Board (6/9))
## IC504 SI-3010KM-TL (MAIN Board (5/9))
## IC505 SI-3010KM-TL (MAIN Board (5/9))
## IC506 SI-3010KM-TL (MAIN Board (5/9))



• **IC Pin Function Description**

**MAIN BOARD (2/9) IC1101 CXD9917R (DZ260/DZ270)/CXD9927R (HDZ278)**
**(CD/DVD RF AMP, FOCUS/TRACKING ERROR AMP, DVD SYSTEM CONTROL, DIGTAL SERVO PROCESSOR, DIR/USB CONTROL)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | OSN | — | RF offset cancellation capacitor connecting terminal |
| 2 | RFGC | I | RF AGC loop capacitor connecting terminal |
| 3 | IREF | I | Current reference setting terminal |
| 4 | AVDD3 | — | Power supply (VDD3.3V) |
| 5 | AGND | — | Ground |
| 6 | DVDA | I | AC coupled input path A |
| 7 | DVDB | I | AC coupled input path B |
| 8 | DVDC | I | AC coupled input path C |
| 9 | DVDD | I | AC coupled input path D |
| 10 | DVDRFIP | I | DC coupled DVD RF signal input RFIP |
| 11 | MA | I | DC coupled main-beam RF signal input A |
| 12 | MB | I | DC coupled main-beam RF signal input B |
| 13 | MC | I | DC coupled main-beam RF signal input C |
| 14 | MD | I | DC coupled main-beam RF signal input D |
| 15 | SA | — | Not used (Open) |
| 16 | SB | — | Not used (Open) |
| 17 | TNI | I | DC coupled main-beam RF signal input E |
| 18 | TPI | I | DC coupled main-beam RF signal input F |
| 19 | MDI1 | I | Laser power monitor input |
| 20 | MDI2 | I | Laser power monitor input |
| 21 | LDO2 | O | Laser diode (DVD) drive signal output |
| 22 | LDO1 | O | Laser diode (CD) drive signal output |
| 23 | SVDD3 | — | Power supply (RF+3.3V) |
| 24 | CSO | O | Not used (Open) |
| 25 | RFLVL | O | RFRP low pass output |
| 26 | SGND | — | Ground |
| 27 | V2REFO | O | Reference voltage (2.8V) output |
| 28 | V20 | O | Reference voltage (2.0V) output |
| 29 | VREFO | O | Reference voltage (1.4V) output |
| 30 | FEO | O | Focus error monitor output |
| 31 | TEO | O | Tracking error monitor output |
| 32 | TEZISLV | O | TE Slicing Level input |
| 33 | OP_OUT | O | Op amp output |
| 34 | OP_INN | I | Op amp negative input |
| 35 | OP_INP | I | Spindle feedback signal input |
| 36 | DMO | O | Disc motor control PWM output |
| 37 | FMO | O | Feed motor control PWM output |
| 38 | TROPENPWM | O | Tray PWM output/Tray open output |
| 39 | IOPMON | I | Iop Monitor input |
| 40 | TRO | O | Tracking servo control signal output |
| 41 | FOO | O | Focus servo control signal output |
| 42 | AGND18 | — | Ground |
| 43 | AVDD18 | — | Power supply (+1.8V) |
| 44 | USB_DP | I/O | USB port serial data input/output |
| 45 | USBDM | I/O | USB port serial data input/output |
| 46 | USB_VDD3 | — | USB power supply (+3.3V) |
| 47 | USB_VSS | — | USB ground |
| 48 | PAD_VRT | — | Not used |
| 49 | USB_VDD18 | — | Power supply (+1.8V) |
| 50 | USB_VSS | I | Ground |
| 51 | DIR_ERROR/NC | I | DIR PLL error signal input |
| 52 | DIR_AUDIO/NC | I | DIR audio signal input (Not used in this set) |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 53 | LIMITSW | I | LIMIT SW signal input |
| 54 | MSW | O | DVD/CD PD –VR select signal output |
| 55 | DVDD18 | — | Power supply (+1.8V) |
| 56 to 62 | HA2 to HA8 | O | Flash ROM address bus A2 to A8 output |
| 63, 64 | HA18, HA19 | O | Flash ROM address bus A18, A19 output |
| 65 | DVDD3 | — | Power supply (+3.3V) |
| 66 | XWR | O | Flash ROM write signal output |
| 67 to 74 | HA16 to HA9 | O | Flash ROM address bus A16 to A9 output |
| 75 | HA20 | | Flash ROM address bus A20 output |
| 76 | XROMCS | O | Flash ROM chip select signal output |
| 77 | HA1 | O | Flash ROM address bus A1 output |
| 78 | XRD | O | Flash ROM read signal output |
| 79, 80 | HD0, HD1 | I/O | Flash ROM data bus D0, D1 input/output |
| 81 | DVSS | — | Ground terminal |
| 82 to 86 | HD2 to HD6 | I/O | Flash ROM data bus D2 to D6 input/output |
| 87 | HA21 | I/O | Flash ROM data bus D21 input/output |
| 88 | RESERVED | — | Not used (Open) |
| 89 | HD7 | I/O | Flash ROM data bus D7 input/output |
| 90 | DVSS | — | Ground terminal |
| 91, 92 | HA17, HA0 | O | Flash ROM address bus A17, A0 output |
| 93 | DVDD18 | O | Flash ROM data bus D18 input/output |
| 94 | FWR | O | Loading motor control (FWR) signal output |
| 95 | REV | O | Loading motor control (REV) signal output |
| 96 | DVDD3 | — | Power supply (+3.3V) |
| 97 | IFSDO | O | CPU I/F serial data output |
| 98 | IFCK | O | CPU I/F serial clock output |
| 99 | xIFCS | O | CPU I/F chip select output |
| 100 | IFSDI | I | CPU I/F serial data input |
| 101 | SCL | O | EEPROM serial clock output |
| 102 | SDA | I/O | EEPROM serial data input/output |
| 103 | CKSW | I | Chuck/Tray detect switch signal input |
| 104 | OCSW | I | Chuck/Tray detect switch signal input |
| 105 | RXD | I | RXD signal input from Jig |
| 106 | TXD | O | TXD signal output to Jig |
| 107 | ICE | O | Not used (Open) |
| 108 | xSYSRST | I | System reset signal input |
| 109 | RESERVED | I | Not used (Open) |
| 110 | xIFBSY | I | Busy signal input from CPU I/F |
| 111 | DQM0 | O | SDRAM lower byte mask signal output |
| 112 | EEWP | I | EEPROM ready/Busy wake up signal input |
| 113 to 117 | RD7 to 3 | I/O | SDROM data bus D7 to D3 input/output |
| 118 | DVDD3 | — | Power supply (+3.3V) |
| 119 to 121 | RD2 to RD0 | I/O | SDROM data bus D2 to D0 input/output |
| 122 to 129 | RD15 to RD8 | I/O | SDROM data bus D15 to D8 input/output |
| 130 | TSD_M | I | TSD signal input |
| 131 | DVDD3 | — | Power supply (+3.3V) |
| 132 | DQM1 | O | SDRAM lower byte mask signal output |
| 133 | _RWE | O | SDRAM write enable signal output |
| 134 | _CAS | O | SDRAM column address strobe signal output |
| 135 | _RAS | O | SDRAM row address strobe signal output |
| 136 | _RCS | O | SDRAM chip select signal output |
| 137, 138 | BA0, BA1 | O | SDRAM bank address 0, 1 output |
| 139 | RA10 | O | SDRAM address bus A10 output |
| 140, 141 | RA0, RA1 | O | SDRAM address bus A0, A1 output |
| 142 | DVDD18 | — | Power supply (+1.8V) |
| 143, 144 | RA2, RA3 | O | SDRAM address bus A0, A3 output |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 145 | DVDD3 | — | Power supply (+3.3V) |
| 146 | DRCLK | O | SDRAM clock output |
| 147 | CKE | O | SDRAM clock enable signal output |
| 148 | DVSS | — | Ground terminal |
| 149 | RA11 | O | SDRAM address bus A11 output |
| 150 to 155 | RA9 to RA4 | O | SDRAM address bus A9 to A4 output |
| 156 | DVDD3 | — | Power supply (+3.3V) |
| 157 | MUTE123 | O | Mute signal output for Focus/Tracking/Sledding |
| 158 | MUTE | O | Mute signal output for Spindle motor |
| 159 | DDC_DA | I/O | HDMI DDC line data input/output |
| 160 | DVDD18 | — | Power supply (+1.8V) |
| 161 | DDC_CLK | I/O | HDMI DDC line clock input/output |
| 162 | HIPLG | I | HDMI HPD signal input |
| 163 | AGND3 | — | Ground |
| 164 | EXT_RES | I | Ext. resistor connected terminal |
| 165, 166 | AVDD3 | — | Power supply (+3.3V) |
| 167 | EXT_CAP | I | Ext. capacitor connected terminal |
| 168, 169 | AGND3, AGND18 | — | Ground |
| 170 | TXCN | O | HDMI TXD-clock output |
| 171 | TXCP | O | HDMI TXD-clock output |
| 172 | AVDD18 | — | Power supply (+1.8V) |
| 173 | TX0N | O | HDMI TXD-0 output |
| 174 | TX0P | O | HDMI TXD-0 output |
| 175 | AGND18 | — | Power supply (+1.8V) |
| 176 | TX1N | O | HDMI TXD-1 output |
| 177 | TX1P | O | HDMI TXD-1 output |
| 178 | AVD18 | — | Power supply (+1.8V) |
| 179 | TX2N | O | HDMI TXD-2 output |
| 180 | TX2P | O | HDMI TXD-2 output |
| 181 | AGND18 | — | Power supply (+1.8V) |
| 182 | R/Cr/Pr | O | Video chroma R/Cr/Pr signal output |
| 183 | B/Cb/Pb | O | Video chroma B/Cb/Pb signal output |
| 184 | DACVSSA | — | Ground |
| 185 | Y/G | O | Video Y/chroma G signal output |
| 186 | DACVDDA | — | Power supply (+3.3V) |
| 187 | CVBS | O | Video Composite signal output |
| 188 | DACVSSB | — | Ground |
| 189 | C | O | Video chroma signal output |
| 190 | DACVDDB | — | Power supply (+3.3V) |
| 191 | Y | O | Video Y signal output |
| 192 | DACVSSC | — | Ground |
| 193 | FS | I | Full Scale Adjustment setting terminal |
| 194 | VREF | I | Reference Voltage input terminal |
| 195 | DACVDDC | — | Power supply (+3.3V) |
| 196 | VBUS_OE | O | VBUS power control signal output |
| 197 | VBUS_OC | I | VBUS detect signal input |
| 198 | SCORE/DIR_XSTATE | I | DIR status signal input |
| 199 | SPMCK | I | DIR MCK clock input |
| 200 | SPBCK | I | DIR BCK clock input |
| 201 | SPLRCK | I | DIR LRCK clock input |
| 202 | ADIN (SPDATA) | I | Audio digital data input |
| 203 | ACLK | O | A/D converter and DAMP clock output |
| 204 | ABCK | O | A/D converter and DAMP BCK clock output |
| 205 | ALRCK | O | A/D converter and DAMP LRCK clock output |
| 206 | MC_DATA (ADIN) | I | A/D converter data input |
| 207 | DVDD3 | — | Power supply (+3.3V) |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 208 | MIC | O | Not used (Fixed to Ground) |
| 209 | WIDE | O | WIDE select signal output |
| 210 | RGB_SEL/DSEL | O | Video output select signal output |
| 211 | TRG_SW | I | Not used |
| 212 | DVDD18 | — | Power supply (+3.3V) |
| 213 | KMOD | O | Not used (Open) |
| 214 | XVOICE/DIR_CSFLAG | O | Not used (Open) |
| 215 | SPDIF | O | Not used (Open) |
| 216 | APLLVDD3 | — | Power supply (+3.3V) |
| 217 | APLLCAP | — | Ext capacitor connected terminal |
| 218 | APLLVSS | — | Ground |
| 219 | ADACVSS2 | — | Ground |
| 220 | ADACVSS1 | — | Ground |
| 221 | DIR_CE | O | DIR I/F chip select signal output |
| 222 | ASDATA3 | O | Audio digital signal output to D-AMP (Not used in this set) |
| 223 | ASDATA2 | O | Audio digital signal output to D-AMP |
| 224 | AVCM | — | Ext capacitor connected terminal |
| 225 | ASDATA1 | O | Audio digital signal output to D-AMP |
| 226 | ASDATA0 | O | Audio digital signal output to D-AMP |
| 227 | DIR_CL | O | DIR I/F clock output |
| 228 | ADACVDD1 | — | Power supply (+3.3V) |
| 229 | ADACVDD2 | — | Power supply (+3.3V) |
| 230 | Rt/DIR_DI | O | DIR I/F data output |
| 231 | Lt/DIR_DO | I | DIR I/F data input |
| 232 | ADACSS3 | — | Ground |
| 233 | ADACVDD3 | — | Power supply (+3.3V) |
| 234 | SADCVDD18 | — | Power supply (+1.8V) |
| 235 | SADCVSS18 | — | Ground |
| 236 | FGND18 | — | Ground |
| 237 | RFVDD18 | — | Power supply (+1.8V) |
| 238 | XTALO | O | Crystal output for main clock (27MHz) |
| 239 | XTALI | I | Crystal input for main clock (27MHz) |
| 240 | JITFO | O | The output terminal of RF jitter meter |
| 241 | JITFN | I | The input terminal of RF jitter meter |
| 242 | PLLVSS | — | Ground |
| 243 | PLLVDD3 | — | Power supply (+3.3V) |
| 244 | LPFON | O | The negative output of loop filter amplifier |
| 245 | LPFIP | I | The positive input terminal of loop filter amplifier |
| 246 | LPFIN | I | The negative input terminal of loop filter amplifier |
| 247 | LPFOP | O | The positive output of loop filter amplifier |
| 248 | ADCVDD3 | — | Power supply (+3.3V) |
| 249 | ADCVSS | — | Ground |
| 250 | RFVDD3 | — | Power supply (+3.3V) |
| 251 | RFRPDC | O | RF ripple detect output |
| 252 | RFRPAC | I | RF ripple detect input (through AC-coupling) |
| 253 | HRFZC | I | High frequency RF ripple zero crossing |
| 254 | CRTPLP | O | Defect level filter capacitor connected terminal |
| 255 | RFGND18 | — | Power supply (+3.3V) |
| 256 | OSP | O | RF offset cancellation capacitor connecting |

**MAIN BOARD (5/9) IC501 R5F3640DDFA (SYSTEM CONTROL)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | DAMP_SCDT/DIR_DIN | O | DAMP processor and DIR data output |
| 2 | DAMP_SHIFT/DIR_CLK | O | DAMP processor and DIR clock output |
| 3 | CEC_RX_IN | I | CEC data input |
| 4 | SIRCS_IN | I | Sircs input |
| 5 | DSP_MOSI/ASEL4 | O | Audio input select signal output. (Not used in this set) |
| 6 | DSP_MISO/ASEL5 | O | Audio input select signal output. (Not used in this set) |
| 7 | DSP_SPICLK | O | Not used (Open) |
| 8 | BYTE | I | External data bus input. (Connected to ground) |
| 9 | CNVSS | I | Change processor mode input (L: Single chip mode) |
| 10, 11 | EN_A, EN_B | I | Volume control pulse input for ENCODER |
| 12 | RESET | I | System reset signal input |
| 13 | XOUT | O | Crystal output for main clock (5MHz) |
| 14 | VSS | — | Ground |
| 15 | XIN | I | Crystal input for main clock (5MHz) |
| 16 | VCC | — | Power supply (BUP+3.3V) |
| 17 | NMI | I | Not used (Fixed to “H” (BUP+3.3V)) |
| 18 | DIR_ZERO INT2 | O | Not used (Open) |
| 19 | DIRCSFLAG INT3 /A.CAL_OUT_LEVEL | I | Out level detect for auto calibration input |
| 20 | AC_CUT INT0 | I | AC-CUT detect signal input |
| 21 | FL_CLK/LED_CLK | O | FL and LED driver clock output |
| 22 | CEC_TX_OUT | O | CEC data output |
| 23 | FL_CS/STB | O | FL and LED driver chip select signal output |
| 24 | FL_D_OUT/LED_DATA | O | FL and LED driver data output |
| 25 | DIVER_RST_CS/ S-AIR_SRC_MUTE | O | Not used (Open) |
| 26 | MIC_GAIN | O | MIC gain control signal output |
| 27 | CDM_OPEN_SW/ XM_SEL | I | CDM open switch signal input |
| 28 | DC_CONT | O | A.CAL MIC DC control signal output |
| 29 | DMP_RX_IN | I | DMPOART data input |
| 30 | DMP_TX_OUT | O | DMPOART data output |
| 31 | DVD_SID | O | Serial data output to CDX9917R/CDX9927R |
| 32 | DVD_SOD | I | Serial data input from CDX9917R/CDX9927R |
| 33 | DVD_SCO | I | Serial clock input from CDX9917R/CDX9927R |
| 34 | DVD_XIFBUSY | O | RTS signal output to CDX9917R/CDX9927R |
| 35 | XM_TX_OUT/ MIC_DET_OUT | O | Not used (Open) |
| 36 | XM_RX_IN/KRMOD | I | Not used (Open) |
| 37 | DVD XIFCS | I | Chip select signal output from CXD9917R/CDX9927R |
| 38 | MTK RST | O | System reset output |
| 39 | P_CONT1 | O | Power control signal output |
| 40 | P_CONT2 | O | Power control signal output |
| 41 | WRITE EMP P_CONT3 | O | Power control signal output |
| 42 | DRIVE_RST(EN) | O | D-AMP driver reset signal output |
| 43 | SD(DIAG)/PVDD_DET | I | D-AMP driver shut down signal input |
| 44 | OVERFLOW1 | I | D-AMP processor F/C/S over flow detect signal input |
| 45 | OVERFLOW2 | I | D-AMP processor SW over flow detect signal input |
| 46 | WRITE CE | I | Not used (Fixed to “H” (+3.3V))) |
| 47 | I2C_DATA | I/O | EEPROM I2C serial data input/output |
| 48 | I2C_CLK | I/O | EEPROM I2C serial clock input/output |
| 49 | DAMP LATCH3 | O | D-AMP processor latch-3 signal output |
| 50 | DAMP INIT | O | D-AMP processor reset signal output |
| 51 | DAMP SOFT MUTE | O | D-AMP processor soft mute signal output |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 52 | M_ST | O | LINK (Multi STEREO) control signal output |
| 53 | HP_MUTE | O | Headphone mute signal output |
| 54 | S-AIR_ADC_SEL | O | Not used (Open) |
| 55 | MIC_CLK | O | Not used (Open) |
| 56 | DAMP LATCH2 | O | D-AMP processor latch-2 signal output |
| 57 | DC_DET | I | Speaker DC balance protect signal input |
| 58 | S-AIR_RST | O | Not used (Open) |
| 59 | DIR_HCE | O | Not used (Open) |
| 60 | DIR_ERR | O | Not used (Open) |
| 61 | DIR_XSTATE | O | Not used (Open) |
| 62 | VCC | — | Power supply (BUP+3.3V) |
| 63 | HDMI_PCONT | O | HDMI hot plug power control signal output |
| 64 | VSS | — | Ground |
| 65 | DAMP LATCH1 | O | D-AMP processor latch-1 signal output |
| 66 | JACK1/JACK2/ S-AIR_DET | I | MIC or Headphone insert detect signal input |
| 67 | GPIO2 | I | Not used (Open) |
| 68 | TUNED | I | TUNER TUNED signal input |
| 69 | ST_CLK | O | TUNER clock output |
| 70 | ST_DO | I | TUNER data input |
| 71 | ST_CE | O | TUNER chip enable signal output |
| 72 | ST_DI | O | TUNER data output |
| 73 | DSP_INTR | O | Not used (Open) |
| 74 | INT4 KEY INT | I | Wake up signal input from function key |
| 75 | INT3 RDS_CLK/ LED_LAT | I | RDS clock input |
| 76 | RDS-DATA/ XM_RST(PCONT) | I | RDS data input |
| 77 | S-AIR I2C_SDA | I/O | I2C serial data input/output (Not used in this set) |
| 78 | S-AIR I2C_SCL | I/O | I2C serial clock input/output (Not used in this set) |
| 79 | DSP_SF_CE | O | Not used (Open) |
| 80 | 2ND_XM_SEL/ TV_SEL/MIC_DATA | O | TV control signal output |
| 81 | ASEL3/DSP_SPIDS/ XM_SRC_RST | O | Audio select signal output (Not used in this set) |
| 82 | V_SEL0 | O | Video select signal output |
| 83 | V_SEL1 | O | Audio select signal output |
| 84 | IO_CE/ASEL0 | O | Audio select signal output |
| 85 | IO_RESET/ASEL1 | O | Audio select signal output |
| 86 | IO_DI/ASEL2 | O | Audio select signal output (Not used in this set) |
| 87 | IO_DO/VSEL2 | O | Audio select signal output (Not used in this set) |
| 88 | IO_CLK | O | Not used (Open) |
| 89 | DMP_DET | I | DMPOART detect signal input |
| 90 | MONO/ST_DET | I | AUDIO IN jack MONO or STEREO detect signal input |
| 91 | A.CAL MIC LEVEL/ DSP_MASTER | I | MIC level detect signal input for auto calibration |
| 92 | DESTINATION | I | Destination select input |
| 93 | MODEL | I | Model select input |
| 94 | KEY2 | I | Key input 2 input |
| 95 | KEY1 | I | Key input 1 input |
| 96 | VSS | — | Ground |
| 97 | KEY0 | I | Key input 0 input |
| 98 | VREF | — | Reference voltage (E3.3V) |
| 99 | VCC | — | Power supply (BUP+3.3V) |
| 100 | DIR_HDOUT | O | Not used (Open) |

# SECTION 7
# EXPLODED VIEWS

**Note:**
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- Abbreviation
  AR : Argentina model
  AUS : Australian model
  CND : Canadian model
  E3 : 240 V AC Area in E model
  E12 : 220-240 V AC area in E model
  E15 : Iran model
  MX : Mexican model
- The mechanical parts with no reference number in the exploded views are not supplied.

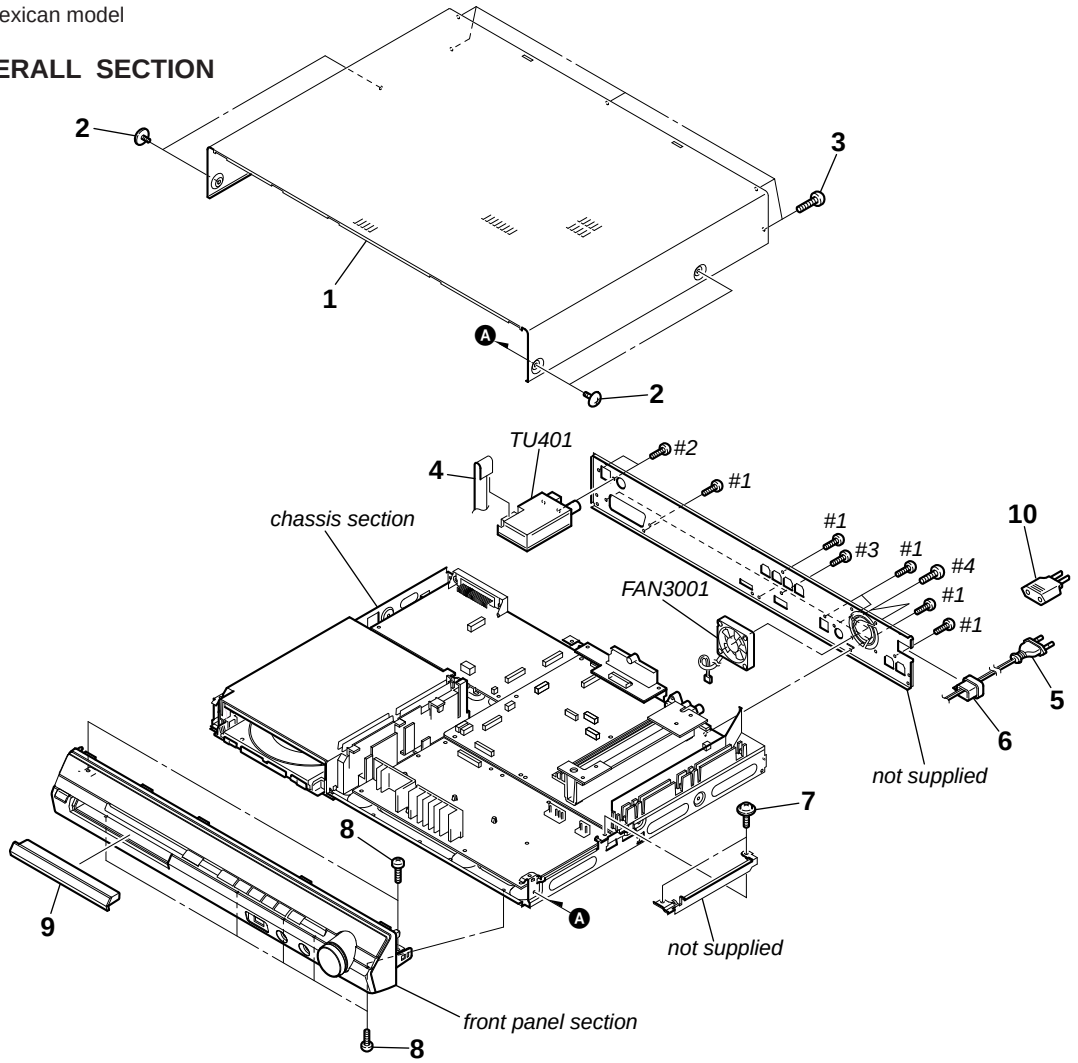
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

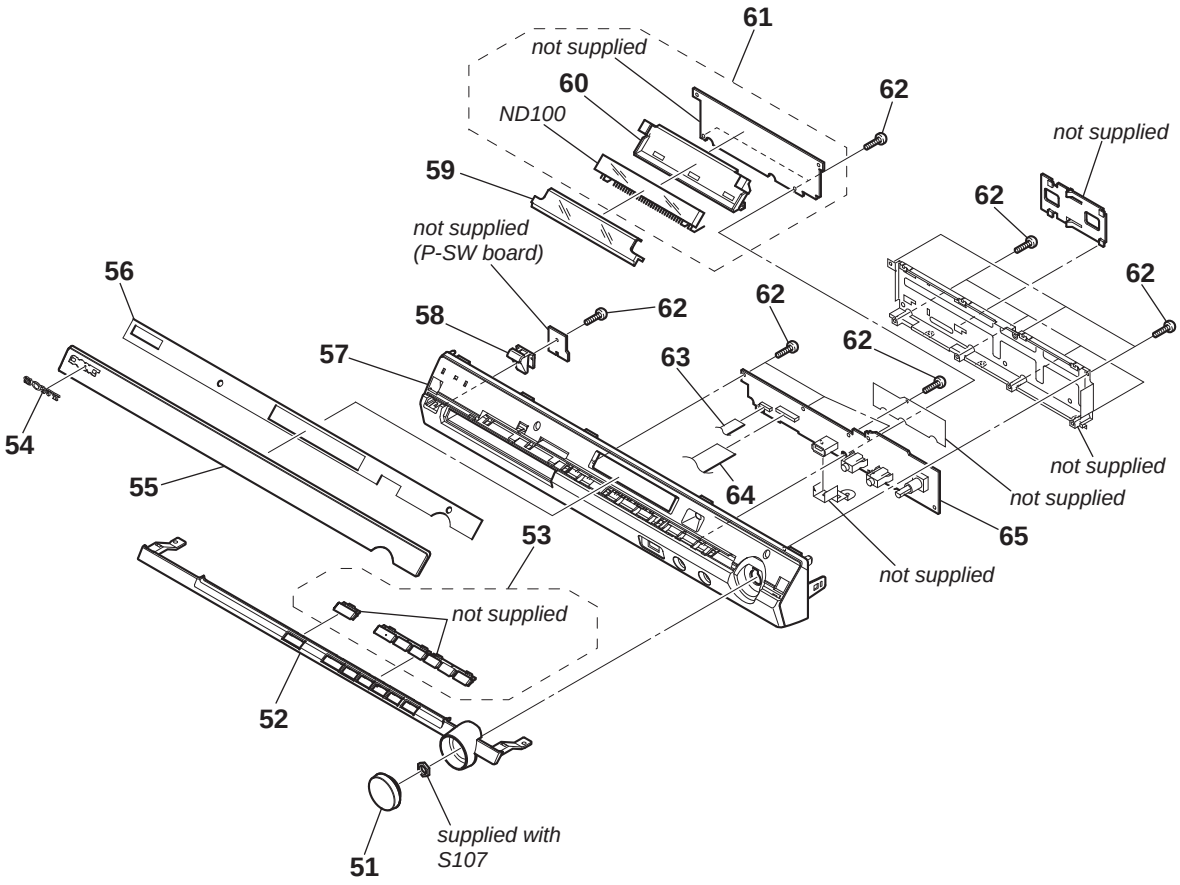
## 7-1. OVERALL SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 1 | 3-273-758-01 | CASE (DSR) (BLACK) | |
| 1 | 3-273-758-21 | CASE (DSR) (SILVER) | |
| 2 | 3-363-099-22 | SCREW (CASE 3 TP2) (for BLACK) | |
| 2 | 3-363-099-51 | SCREW (CASE 3 TP2) (for SILVER) | |
| 3 | 3-704-515-01 | SCREW (BV/RING) | |
| 4 | 1-827-720-11 | WIRE (FLAT TYPE) (11 CORE) (DZ260) | |
| 4 | 1-828-955-11 | WIRE (FLAT TYPE) (9 CORE) (DZ270/HDZ278) | |
| ⚠ 5 | 1-829-387-11 | CORD, POWER (AR) | |
| ⚠ 5 | 1-834-966-21 | CORD, POWER (AEP,E3,E12,E15) | |
| ⚠ 5 | 1-834-967-21 | CORD, POWER (AUS) | |
| ⚠ 5 | 1-834-978-11 | CORD, POWER (MX,US,CND) | |
| ⚠ 5 | 1-835-078-21 | CORD, POWER (UK) | |
| 6 | 3-703-244-00 | BUSHING (2104), CORD | |
| 7 | 2-677-839-01 | +PWH 3X8 (SUMITITE) | |
| 8 | 3-077-331-21 | +BV 3 (3-CR) | |
| 9 | 3-273-727-01 | PANEL, LOADING (DSR) (BLACK) | |
| 9 | 3-273-727-11 | PANEL, LOADING (DSR) (SILVER) | |
| ⚠ 10 | 1-569-008-22 | ADAPTOR, CONVERSION 2P (E15) | |
| FAN3001 | 1-787-331-11 | FAN, D.C. | |
| TU401 | 1-693-759-11 | TUNER (FM/AM) (ANTENNA) (DZ260) | |
| TU401 | 1-693-761-11 | TUNER (FM/AM) (ANTENNA) (DZ270) | |
| TU401 | 1-693-762-11 | TUNER (FM/AM) (ANTENNA) (HDZ278) | |
| #1 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | |
| #2 | 7-685-871-01 | SCREW +BVTT 3X6 (S) | |
| #3 | 7-682-547-04 | SCREW +B 3X6 | |
| #4 | 7-685-881-09 | SCREW +BVTT 4X8 (S) | |

**Note:** If the wire (flat type) was replaced, fold it some as the wire (flat type) before replacement.

## 7-2. FRONT PANEL SECTION

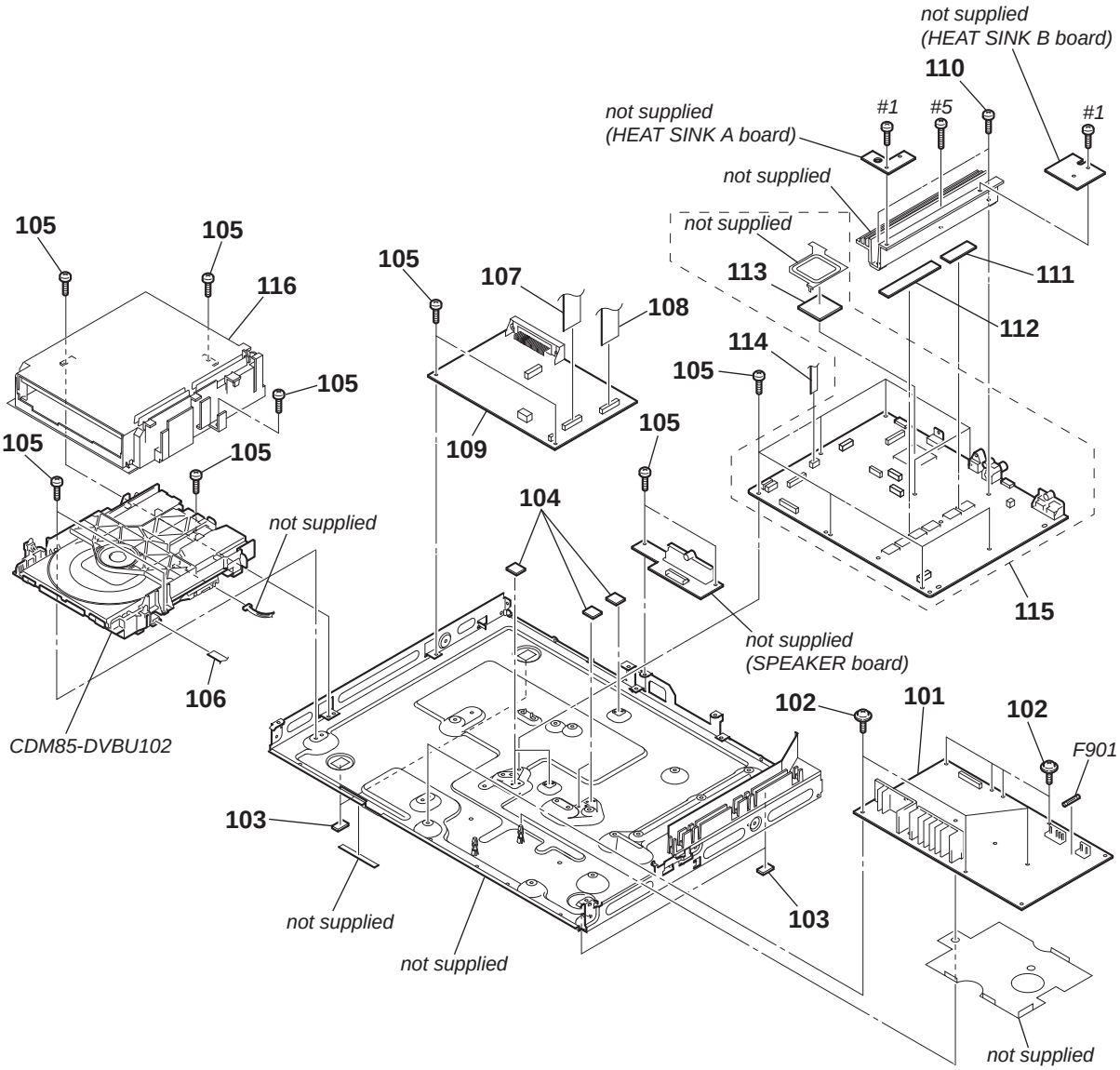



| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 51 | 2-889-990-01 | KNOB (VOL) | |
| 52 | 3-273-726-01 | ORNAMENT (DSR) | |
| 53 | 3-273-728-01 | BUTTON (PLAY-SP) | |
| 54 | 3-943-995-01 | EMBLEM (NO. 5), SONY | |
| 55 | 3-273-724-01 | WINDOW, INDICATION (DSR-1) (DZ270) | |
| 55 | 3-273-724-11 | WINDOW, INDICATION (DSR-1) (HDZ278) | |
| 55 | 3-273-724-81 | WINDOW, INDICATION (DSR-1) (DZ260) | |
| 56 | 3-280-669-01 | SHEET (DSR WINDOW), ADHESIVE | |
| 57 | 3-273-722-01 | PANEL, FRONT (DSR-1) (BLACK) (DZ260:AEP) | |
| 57 | 3-273-722-11 | PANEL, FRONT (DSR-1) (BLACK) (DZ260:UK) | |
| 57 | 3-273-722-21 | PANEL, FRONT (DSR-1) (BLACK) (DZ270) | |
| 57 | 3-273-722-31 | PANEL, FRONT (DSR-1) (BLACK) (HDZ278) | |
| 57 | 3-273-722-91 | PANEL, FRONT (DSR-1) (SILVER) (DZ260:AEP) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 58 | 3-273-730-01 | BUTTON (POWER-DSR) (BLACK) | |
| 58 | 3-273-730-11 | BUTTON (POWER-DSR) (SILVER) | |
| 59 | 3-273-732-01 | FILTER, COLOR | |
| 60 | 3-273-731-01 | HOLDER (FL) | |
| 61 | A-1382-431-A | FL BOARD, COMPLETE | |
| 62 | 3-087-053-01 | +BVTP 2.6 (3CR) | |
| 63 | 1-828-307-11 | WIRE (FLAT TYPE) (9 CORE) | |
| 64 | 1-828-363-11 | WIRE (FLAT TYPE) (19 CORE) | |
| 65 | A-1382-433-A | JACK BOARD, COMPLETE (AEP,UK,E3,E15,AUS) | |
| 65 | A-1382-484-A | JACK BOARD, COMPLETE (US,CND) | |
| 65 | A-1382-542-A | JACK BOARD, COMPLETE (E12,AR,MX) | |
| ND100 | 1-519-988-11 | INDICATOR TUBE, FLUORESCENT | |

**Note:** If the wire (flat type) was replaced, fold it some as the wire (flat type) before replacement.

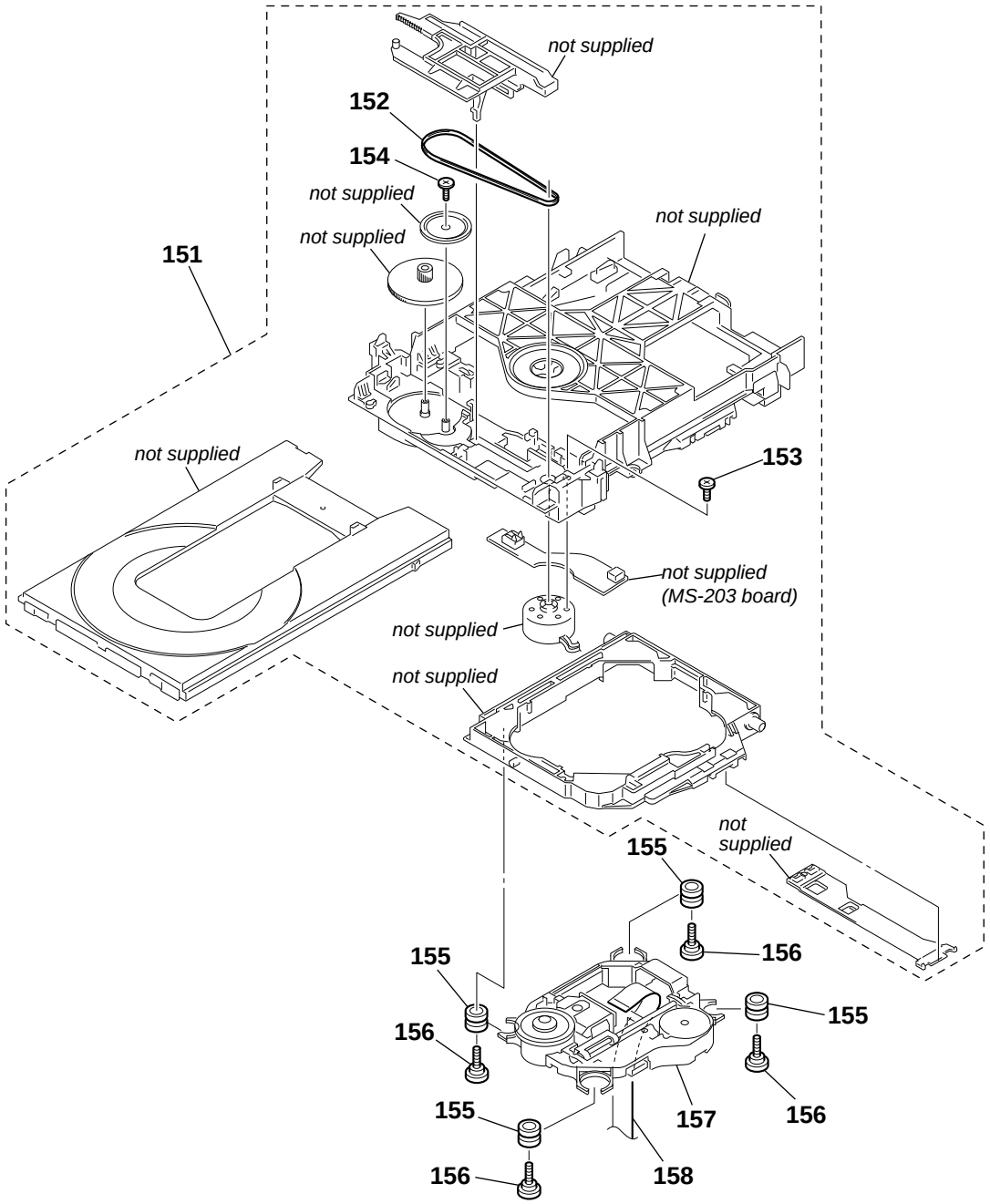
## 7-3. CHASSIS SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 101 | A-1334-282-A | POWER BOARD, COMPLETE (DZ260) | |
| 101 | A-1382-421-A | POWER BOARD, COMPLETE (DZ270:E3,E12,E15,AUS,AR) | |
| 101 | A-1382-476-A | POWER BOARD, COMPLETE (HDZ278) | |
| 101 | A-1382-537-A | POWER BOARD, COMPLETE (DZ270:MX) | |
| 102 | 2-677-839-01 | +PWH 3X8 (SUMITITE) | |
| 103 | 4-232-478-31 | FOOT | |
| 104 | 4-231-099-91 | SHEET, RADIATION | |
| 105 | 3-077-331-21 | +BV 3 (3-CR) | |
| 106 | 1-828-293-11 | WIRE (FLAT TYPE) (5 CORE) | |
| 107 | 1-828-349-11 | WIRE (FLAT TYPE) (17 CORE) (DZ270/HDZ278) | |
| 107 | 1-828-359-11 | WIRE (FLAT TYPE) (19 CORE) (DZ260) | |
| 108 | 1-828-337-11 | WIRE (FLAT TYPE) (15 CORE) (DZ270) | |
| 108 | 1-828-347-11 | WIRE (FLAT TYPE) (17 CORE) (HDZ278) | |
| 108 | 1-828-357-11 | WIRE (FLAT TYPE) (19 CORE) (DZ260) | |
| 109 | A-1382-453-A | IO-SCART BOARD, COMPLETE (DZ260) | |
| 109 | A-1382-500-A | IO-COMPONENT BOARD, COMPLETE (HDZ278) | |
| 109 | A-1382-887-A | IO-COMPONENT BOARD, COMPLETE (DZ270) | |
| 110 | 3-077-331-11 | +BV 3 (3-CR) | |
| 111 | 2-597-972-61 | SHEET, RADIATION (HDZ278) | |
| 111 | 3-100-158-21 | SHEET, RADIATION (DZ260/DZ270) | |
| 112 | 2-597-972-41 | SHEET, RADIATION (HDZ278) | |
| 112 | 3-100-158-11 | SHEET, RADIATION (DZ260/DZ270) | |
| 113 | 4-231-099-41 | SHEET, RADIATION | |
| 114 | 1-828-287-11 | WIRE (FLAT TYPE) (5 CORE) | |
| 115 | A-1382-455-A | MAIN PC BOARD COMPL F13340348 (AEP) | |
| 115 | A-1382-502-A | MAIN PC BOARD COMPL F13340330 (US,CND) | |
| 115 | A-1382-545-A | MAIN PC BOARD COMPL F13340370 (E3,E15) | |
| 115 | A-1382-614-A | MAIN PC BOARD COMPL F13340382 (AR) | |
| 115 | A-1382-622-A | MAIN PC BOARD COMPL F13340337 (MX) | |
| 115 | A-1486-440-A | MAIN PC BOARD COMPL F13340360 (UK) | |
| 115 | A-1497-750-A | MAIN PC BOARD COMPL F13340381 (E12) | |
| 115 | A-1497-761-A | MAIN PC BOARD COMPL F13340395 (AUS) | |
| 116 | 3-273-733-01 | COVER (CDM-DSR) (DZ260/DZ270) | |
| 116 | 3-273-733-11 | COVER (CDM-DSR) (HDZ278) | |
| ⚠ F901 | 1-533-311-12 | FUSE, GLASS CYLINDRICAL (DIA. 5) (8A/125V) (MX,US,CND) | |
| ⚠ F901 | 1-576-233-51 | FUSE (H.B.C.) (T6.3AL/250V) (EXCEPT MX,US,CND) | |
| #1 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | |
| #5 | 7-685-648-79 | SCREW +BVTP 3X12 TYPE2 IT-3 | |

**Note:** If the wire (flat type) was replaced, fold it some as the wire (flat type) before replacement.

## 7-4. DVD MECHANISM DECK SECTION (CDM85-DVBU102)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 151 | A-6071-669-A | LOADING ASSY (M) | |
| 152 | 3-088-371-01 | BELT | |
| 153 | 4-974-725-11 | SCREW (M1.7X2.5), P | |
| 154 | 4-674-137-11 | SCREW (PTP 2X5) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 155 | 2-634-618-01 | INSULATOR | |
| 156 | 3-087-599-01 | INSULATOR SCREW | |
| ⚠ 157 | 8-820-321-05 | OPTICAL PICK-UP KHM-313CAA/C2RP | |
| 158 | 1-828-773-51 | WIRE (FLAT TYPE) (24 CORE) | |

**Note:** If the wire (flat type) was replaced, fold it some as the wire (flat type) before replacement.

FL IO-COMPONENT

# SECTION 8
# ELECTRICAL PARTS LIST

**Note:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

- Abbreviation
  AR : Argentina model
  AUS : Australian model
  CND : Canadian model
  E3 : 240 V AC Area in E model
  E12 : 220-240 V AC area in E model
  E15 : Iran model
  MX : Mexican model

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | A-1382-431-A | FL BOARD, COMPLETE | | | |
| | | ********** | | | |
| | 3-273-731-01 | HOLDER (FL) | | | |
| | | < CAPACITOR > | | | |
| C101 | 1-126-382-11 | ELECT | 100uF | 20% | 16V |
| C102 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C103 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 50V |
| C104 | 1-162-974-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C105 | 1-119-943-11 | ELECT | 47uF | 20% | 50V |
| C106 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C107 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C108 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C116 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C117 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C189 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C190 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| | | < CONNECTOR > | | | |
| CN100 | 1-779-546-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 9P | | | |
| | | < DIODE > | | | |
| D100 | 6-501-579-01 | DIODE MC2837 | | | |
| D101 | 6-501-579-01 | DIODE MC2837 | | | |
| D102 | 6-501-729-01 | DIODE MAZ8051GLLS0 | | | |
| D103 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| | | < IC > | | | |
| IC100 | 6-701-729-01 | IC PT6315 | | | |
| IC101 | 6-600-349-21 | IC NJL23H400A (IR) | | | |
| | | < COIL > | | | |
| L100 | 1-410-671-31 | INDUCTOR | 47uH | | |
| L101 | 1-410-671-31 | INDUCTOR | 47uH | | |
| L102 | 1-410-671-31 | INDUCTOR | 47uH | | |
| | | < FLUORESCENT INDICATOR TUBE > | | | |
| ND100 | 1-519-988-11 | INDICATOR TUBE, FLUORESCENT | | | |
| | | < TRANSISTOR > | | | |
| Q100 | 6-550-065-01 | FET CPH5504-TL-E | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < RESISTOR > | | | |
| R100 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W |
| R101 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R102 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R103 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R104 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R105 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R106 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R107 | 1-216-844-11 | METAL CHIP | 82K | 5% | 1/10W |
| R108 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| | | < TRANSFORMER > | | | |
| T100 | 1-443-645-11 | TRANSFORMER, DC-DC CONVERTER | | | |
| ********** | | | | | |
| | A-1382-500-A | IO-COMPONENT BOARD, COMPLETE (HDZ278) | | | |
| | A-1382-887-A | IO-COMPONENT BOARD, COMPLETE (DZ270) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C454 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C456 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C457 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C458 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C460 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C462 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C463 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C466 | 1-126-965-11 | ELECT | 22uF | 20% | 50V |
| C467 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C468 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C470 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (HDZ278) |
| C473 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C474 | 1-126-925-11 | ELECT | 470uF | 20% | 10V |
| C476 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C478 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C480 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C488 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C491 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C495 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C496 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C499 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C517 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |

**IO-COMPONENT**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C518 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C521 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V (HDZ278) |
| C522 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C524 | 1-104-662-11 | ELECT | 22uF | 20% | 25V (HDZ278) |
| C525 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V (HDZ278) |
| C526 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C527 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C530 | 1-104-662-11 | ELECT | 22uF | 20% | 25V (HDZ278) |
| C533 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C534 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C535 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C536 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C537 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C538 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C541 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C542 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C548 | 1-127-573-11 | CERAMIC CHIP | 1uF | 10% | 16V |
| C549 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C552 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C556 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C557 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C558 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C559 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C620 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C621 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C622 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| | | < CONNECTOR > | | | |
| CN402 | 1-779-285-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 17P (HDZ278) | | | |
| CN403 | 1-779-283-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 15P (DZ270) | | | |
| CN407 | 1-779-285-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 17P | | | |
| CN412 | 1-564-706-11 | PIN, CONNECTOR (SMALL TYPE) 4P | | | |
| CN418 | 1-779-273-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 5P | | | |
| CN419 | 1-568-828-11 | CONNECTOR, FFC 9P | | | |
| | | < DIODE > | | | |
| D406 | 6-501-579-01 | DIODE MC2837 | | | |
| D407 | 8-719-058-24 | DIODE RB501V-40TE-17 | | | |
| | | < IC > | | | |
| IC404 | 6-710-470-01 | IC MM1758AFBE | | | |
| IC410 | 8-759-100-96 | IC uPC4558G2 | | | |
| IC411 | 8-759-385-76 | IC MC14052 BDR2 | | | |
| IC413 | 6-700-830-01 | IC KIA7809API | | | |
| IC620 | 6-705-338-01 | IC TK11250CMCL-G | | | |
| | | < JACK > | | | |
| J401 | 1-817-601-11 | JACK, PIN 3P (COMPONENT VIDEO OUT (Y,PB/CB,PR/CR)) | | | |
| J404 | 1-820-862-11 | JACK, PIN 3P (VIDEO OUT, TV/VIDEO (AUDIO IN R/L)) | | | |
| | | < JUMPER RESISTOR > | | | |
| JR502 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR503 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR504 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR505 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR506 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR507 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR508 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR515 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR516 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < COIL > | | | |
| L404 | 1-469-525-11 | INDUCTOR | 10uH | | |
| L407 | 1-469-525-11 | INDUCTOR | 10uH | | |
| | | < TRANSISTOR > | | | |
| Q412 | 8-729-027-52 | TRANSISTOR DTC124EKA-T146 | | | |
| Q413 | 8-729-027-52 | TRANSISTOR DTC124EKA-T146 | | | |
| | | < RESISTOR > | | | |
| R439 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R444 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R445 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R446 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R447 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R448 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R449 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R452 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R468 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R471 | 1-216-864-11 | SHORT CHIP | 0 (DZ270) | | |
| R473 | 1-216-864-11 | SHORT CHIP | 0 (DZ270) | | |
| R473 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W (HDZ278) |
| R479 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R480 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R481 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R485 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R486 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R489 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R490 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R491 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R515 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R516 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R523 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R526 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R527 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (HDZ278) |
| R528 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (HDZ278) |
| R529 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R533 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W (HDZ278) |
| R537 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R538 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W (HDZ278) |
| R539 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (HDZ278) |
| R540 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (HDZ278) |
| R541 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R542 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R544 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R548 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R551 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R552 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R553 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R557 | 1-216-864-11 | SHORT CHIP | 0 | | |

## IO-COMPONENT IO-SCART

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R558 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R559 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R561 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R562 | 1-216-864-11 | SHORT CHIP | 0 (HDZ278) | | |
| R564 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R566 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R567 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R575 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R576 | 1-216-864-11 | SHORT CHIP | 0 (HDZ278) | | |
| R579 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R582 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R584 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R595 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R598 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R599 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R600 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R601 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R602 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R603 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R609 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R610 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R620 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |

**********

A-1382-453-A IO-SCART BOARD, COMPLETE (DZ260)
**********

< CAPACITOR >

| | | | | | |
|---|---|---|---|---|---|
| C400 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C401 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C402 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C403 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C404 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C405 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C406 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C407 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C408 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C409 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C410 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C411 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C412 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C413 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C414 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C415 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C416 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C417 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C419 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C420 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C421 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C422 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C423 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C424 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C425 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C491 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C495 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C496 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C499 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C517 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C518 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C521 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C522 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C524 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C525 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C526 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C527 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C530 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C533 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C534 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C535 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C536 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C537 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C538 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C541 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C542 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C548 | 1-127-573-11 | CERAMIC CHIP | 1uF | 10% | 16V |
| C549 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C552 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C556 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C557 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C558 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C559 | 1-104-662-11 | ELECT | 22uF | 20% | 25V |
| C561 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C562 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C620 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C621 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C622 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |

< CONNECTOR >

| | | |
|---|---|---|
| CN400 | 1-816-044-11 | CONNECTOR, SQUARE TYPE 21P (EURO AV ⇨ OUTPUT(TO TV)) |
| CN401 | 1-779-287-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 19P |
| CN406 | 1-779-287-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 19P |
| CN410 | 1-779-273-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 5P |
| CN412 | 1-564-706-11 | PIN, CONNECTOR (SMALL TYPE) 4P |
| CN414 | 1-568-830-11 | CONNECTOR, FFC 11P |

< DIODE >

| | | |
|---|---|---|
| D401 | 6-501-817-01 | DIODE MA2J1110GLS0 |
| D402 | 6-501-817-01 | DIODE MA2J1110GLS0 |
| D407 | 8-719-058-24 | DIODE RB501V-40TE-17 |

< IC >

| | | |
|---|---|---|
| IC400 | 6-710-470-01 | IC MM1758AFBE |
| IC410 | 8-759-100-96 | IC uPC4558G2 |
| IC411 | 8-759-385-76 | IC MC14052 BDR2 |
| IC413 | 6-700-830-01 | IC KIA7809API |
| IC620 | 6-705-338-01 | IC TK11250CMCL-G |

< JUMPER RESISTOR >

| | | | |
|---|---|---|---|
| JR401 | 1-216-864-11 | SHORT CHIP | 0 |
| JR403 | 1-216-864-11 | SHORT CHIP | 0 |
| JR404 | 1-216-864-11 | SHORT CHIP | 0 |
| JR405 | 1-216-864-11 | SHORT CHIP | 0 |
| JR406 | 1-216-864-11 | SHORT CHIP | 0 |
| JR407 | 1-216-864-11 | SHORT CHIP | 0 |
| JW427 | 1-216-864-11 | SHORT CHIP | 0 |
| JW433 | 1-216-864-11 | SHORT CHIP | 0 |

< COIL >

| | | | |
|---|---|---|---|
| L401 | 1-469-525-11 | INDUCTOR | 10uH |
| L407 | 1-469-525-11 | INDUCTOR | 10uH |

**IO-SCART** **JACK**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < TRANSISTOR > | | | |
| Q400 | 8-729-038-28 | TRANSISTOR | RT1N441C-TP-1 | | |
| Q401 | 8-729-038-28 | TRANSISTOR | RT1N441C-TP-1 | | |
| Q402 | 8-729-620-07 | TRANSISTOR | 2SC3052EF-T1-LEF | | |
| Q403 | 8-729-027-52 | TRANSISTOR | DTC124EKA-T146 | | |
| Q404 | 8-729-027-23 | TRANSISTOR | DTA114EKA-T146 | | |
| Q405 | 8-729-038-28 | TRANSISTOR | RT1N441C-TP-1 | | |
| Q406 | 8-729-027-23 | TRANSISTOR | DTA114EKA-T146 | | |
| Q412 | 8-729-027-52 | TRANSISTOR | DTC124EKA-T146 | | |
| Q413 | 8-729-027-52 | TRANSISTOR | DTC124EKA-T146 | | |
| | | < RESISTOR > | | | |
| R400 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R401 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R402 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R403 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R404 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R405 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R406 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R407 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R408 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R409 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R410 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R411 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R412 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R413 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R414 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R415 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R416 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R417 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R418 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R419 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R421 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R422 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R424 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R425 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R426 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R431 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R432 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R433 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R434 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R435 | 1-218-827-11 | METAL CHIP | 150 | 0.5% | 1/10W |
| R479 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R480 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R481 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R485 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R486 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R489 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R490 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R491 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R515 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R516 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R523 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R526 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R527 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R528 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R529 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R533 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R537 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R538 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R539 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R540 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R541 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R542 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R544 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R548 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R551 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R552 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R553 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R557 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R558 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R559 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R561 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R562 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R564 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R566 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R567 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R575 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R576 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R579 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R582 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R584 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R585 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R598 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R599 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R600 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R601 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R602 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R603 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R609 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R610 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R611 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R612 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R620 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| ********** | | | | | |
| | A-1382-433-A | JACK BOARD, COMPLETE (DZ260/DZ270:E3,E15,AUS) | | | |
| | A-1382-484-A | JACK BOARD, COMPLETE (HDZ278) | | | |
| | A-1382-542-A | JACK BOARD, COMPLETE (DZ270:E12,AR,MX) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C121 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C122 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C124 | 1-115-156-11 | CERAMIC CHIP | 1uF | | 10V |
| C126 | 1-125-891-11 | CERAMIC CHIP | 0.47uF | 10% | 10V |
| C127 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (DZ260/DZ270) |
| C132 | 1-104-658-11 | ELECT | 100uF | 20% | 10V |
| C133 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C134 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C135 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C136 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C137 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C138 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C139 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C142 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C143 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C144 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C145 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C147 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |

## JACK

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C148 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C149 | 1-162-925-11 | CERAMIC CHIP | 68PF | 5% | 50V |
| C150 | 1-110-563-11 | CERAMIC CHIP | 0.068uF | 10% | 16V |
| C151 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C152 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C153 | 1-125-891-11 | CERAMIC CHIP | 0.47uF | 10% | 10V |
| C158 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C159 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C165 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C166 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C168 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C169 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | < CONNECTOR > | | | |
| CN102 | 1-779-277-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 9P | | | |
| CN103 | 1-779-287-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 19P | | | |
| CN104 | 1-819-866-11 | CONNECTOR, USB (A) 4P (USB) (DZ260/DZ270) | | | |
| CN105 | 1-564-721-11 | PIN, CONNECTOR (SMALL TYPE) 5P (DZ260/DZ270) | | | |
| | | < DIODE > | | | |
| D104 | 6-501-579-01 | DIODE MC2837 | | | |
| D107 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D108 | 6-501-579-01 | DIODE MC2837 | | | |
| D109 | 6-501-579-01 | DIODE MC2837 | | | |
| | | < FERRITE BEAD > | | | |
| FB102 | 1-500-236-22 | BEAD, FERRITE (CHIP) (1608) (EXCEPT E12,AR,MX) | | | |
| FB103 | 1-500-236-22 | BEAD, FERRITE (CHIP) (1608) (EXCEPT E12,AR,MX) | | | |
| FB104 | 1-500-236-22 | BEAD, FERRITE (CHIP) (1608) (EXCEPT E12,AR,MX) | | | |
| FB105 | 1-500-236-22 | BEAD, FERRITE (CHIP) (1608) (EXCEPT E12,AR,MX) | | | |
| FB106 | 1-500-236-22 | BEAD, FERRITE (CHIP) (1608) (EXCEPT E12,AR,MX) | | | |
| | | < IC > | | | |
| IC102 | 6-705-312-01 | IC S-T111B33MC-OGSTFG | | | |
| IC103 | 8-759-100-96 | IC uPC4558G2 | | | |
| IC104 | 8-759-100-96 | IC uPC4558G2 | | | |
| | | < JACK > | | | |
| J100 | 1-819-878-51 | JACK (AUDIO IN/A.CAL MIC) | | | |
| J101 | 1-819-878-51 | JACK (PHONES) | | | |
| | | < JUMPER RESISTOR > | | | |
| JR101 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR102 | 1-216-864-11 | SHORT CHIP | 0 | | |
| JR103 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < TRANSISTOR > | | | |
| Q101 | 8-729-038-28 | TRANSISTOR RT1N441C-TP-1 | | | |
| Q102 | 8-729-038-28 | TRANSISTOR RT1N441C-TP-1 | | | |
| Q103 | 8-729-038-11 | TRANSISTOR RT1P140C-TP-1 | | | |
| Q104 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | | | |
| Q105 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | | | |
| Q106 | 6-550-889-01 | TRANSISTOR 2SC5938-T112-1B | | | |
| Q107 | 6-550-889-01 | TRANSISTOR 2SC5938-T112-1B | | | |
| Q108 | 6-550-889-01 | TRANSISTOR 2SC5938-T112-1B | | | |
| Q109 | 6-550-889-01 | TRANSISTOR 2SC5938-T112-1B | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < RESISTOR > | | | |
| R109 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R110 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R111 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R112 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R113 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R114 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R115 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R117 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/10W |
| R118 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R121 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R122 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R123 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R126 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R128 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R129 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R130 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R131 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R132 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R133 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R134 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R135 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R136 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R137 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R138 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R139 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R140 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R141 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R143 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R144 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R145 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R146 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R147 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R148 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R149 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R150 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R151 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R152 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R153 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R154 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R155 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R160 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R162 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R165 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R166 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R167 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R168 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R169 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R170 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R171 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R172 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R173 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R174 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R179 | 1-216-864-11 | SHORT CHIP | 0 (E12,AR,MX) | | |
| R180 | 1-216-864-11 | SHORT CHIP | 0 (E12,AR,MX) | | |
| R181 | 1-216-864-11 | SHORT CHIP | 0 (E12,AR,MX) | | |
| R182 | 1-216-864-11 | SHORT CHIP | 0 (E12,AR,MX) | | |
| R183 | 1-216-864-11 | SHORT CHIP | 0 (E12,AR,MX) | | |
| R184 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R185 | 1-216-864-11 | SHORT CHIP | 0 | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R186 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W | |
| R187 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W | |
| | | < SWITCH > | | | |
| S100 | 1-762-875-21 | SWITCH, KEYBOARD (⏏) | | | |
| S101 | 1-762-875-21 | SWITCH, KEYBOARD (▷) | | | |
| S102 | 1-762-875-21 | SWITCH, KEYBOARD (▶▶I) | | | |
| S103 | 1-762-875-21 | SWITCH, KEYBOARD (■) | | | |
| S104 | 1-762-875-21 | SWITCH, KEYBOARD (❚❚) | | | |
| S105 | 1-762-875-21 | SWITCH, KEYBOARD (I◀◀) | | | |
| S106 | 1-762-875-21 | SWITCH, KEYBOARD (FUNCTION) | | | |
| S107 | 1-480-136-11 | ENCODER, ROTARY (12 TYPE) (VOLUME) | | | |
| ********** | | | | | |
| | A-1382-455-A | MAIN PC BOARD COMPL F13340348 (AEP) | | | |
| | A-1382-502-A | MAIN PC BOARD COMPL F13340330 (US,CND) | | | |
| | A-1382-545-A | MAIN PC BOARD COMPL F13340370 (E3,E15) | | | |
| | A-1382-614-A | MAIN PC BOARD COMPL F13340382 (AR) | | | |
| | A-1382-622-A | MAIN PC BOARD COMPL F13340337 (MX) | | | |
| | A-1486-440-A | MAIN PC BOARD COMPL F13340360 (UK) | | | |
| | A-1497-750-A | MAIN PC BOARD COMPL F13340381 (E12) | | | |
| | A-1497-761-A | MAIN PC BOARD COMPL F13340395 (AUS) | | | |
| | | ********** | | | |
| | 4-231-099-41 | SHEET, RADIATION | | | |
| | | < CAPACITOR > | | | |
| C220 | 1-128-995-21 | ELECT CHIP | 100uF | 20% 10V (DZ260/HDZ278) | |
| C221 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V (DZ260/HDZ278) | |
| C222 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V (DZ260/HDZ278) | |
| C223 | 1-126-206-11 | ELECT CHIP | 100uF | 20% 6.3V (DZ260/HDZ278) | |
| C227 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% 50V (DZ260/HDZ278) | |
| C229 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% 10V (DZ260/HDZ278) | |
| C230 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% 10V (DZ260/HDZ278) | |
| C231 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% 10V (DZ260/HDZ278) | |
| C232 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% 10V (DZ260/HDZ278) | |
| C237 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V (DZ260/HDZ278) | |
| C238 | 1-126-965-11 | ELECT | 22uF | 20% 50V (DZ260/HDZ278) | |
| C239 | 1-126-947-11 | ELECT | 47uF | 20% 35V (DZ260/HDZ278) | |
| C240 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V (DZ260/HDZ278) | |
| C241 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V (DZ260/HDZ278) | |
| C312 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V (DZ260/HDZ278) | |
| C313 | 1-126-933-11 | ELECT | 100uF | 20% 16V (DZ260/HDZ278) | |
| C314 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V (DZ260/HDZ278) | |
| C315 | 1-126-933-11 | ELECT | 100uF | 20% 16V (DZ260/HDZ278) | |
| C317 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V (DZ260/HDZ278) | |
| C501 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C502 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C503 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C504 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C505 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C507 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C508 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C509 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% 10V | |
| C510 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C511 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C512 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C515 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C516 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% 10V | |
| C517 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C518 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C520 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% 16V | |
| C521 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C522 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% 16V | |
| C523 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C524 | 1-104-658-11 | ELECT | 100uF | 20% 10V (DZ260/DZ270) | |
| C525 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V (DZ260/DZ270) | |
| C526 | 1-104-658-11 | ELECT | 100uF | 20% 10V | |
| C527 | 1-126-916-11 | ELECT | 1000uF | 20% 6.3V | |
| C528 | 1-126-916-11 | ELECT | 1000uF | 20% 6.3V | |
| C529 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V (DZ260/DZ270) | |
| C530 | 1-126-965-11 | ELECT | 22uF | 20% 50V (DZ260/DZ270) | |
| C531 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C532 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C533 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C538 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% 50V | |
| C539 | 1-126-933-11 | ELECT | 100uF | 20% 16V | |
| C571 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% 10V | |
| C572 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C573 | 1-126-965-11 | ELECT | 22uF | 20% 50V | |
| C574 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% 50V | |
| C581 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C582 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C583 | 1-104-658-11 | ELECT | 100uF | 20% 10V | |
| C584 | 1-126-933-11 | ELECT | 100uF | 20% 16V | |
| C591 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C592 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C593 | 1-104-658-11 | ELECT | 100uF | 20% 10V | |
| C594 | 1-126-933-11 | ELECT | 100uF | 20% 16V | |
| C705 | 1-126-964-11 | ELECT | 10uF | 20% 50V | |
| C706 | 1-126-964-11 | ELECT | 10uF | 20% 50V | |
| C707 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C708 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V | |
| C709 | 1-126-923-11 | ELECT | 220uF | 20% 10V (DZ260/HDZ278) | |
| C710 | 1-107-726-11 | CERAMIC CHIP | 0.01uF | 10% 16V (DZ260/HDZ278) | |
| C711 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% 16V (DZ260/HDZ278) | |
| C712 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V (DZ260/HDZ278) | |

**MAIN**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C716 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V (DZ260/HDZ278) |
| C717 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C718 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C719 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (DZ260/HDZ278) |
| C720 | 1-126-923-11 | ELECT | 220uF | 20% | 10V (DZ260/HDZ278) |
| C721 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V (DZ260/HDZ278) |
| C722 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (DZ260/HDZ278) |
| C723 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (DZ260/HDZ278) |
| C724 | 1-162-915-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V (DZ260/HDZ278) |
| C725 | 1-162-915-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V (DZ260/HDZ278) |
| C727 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (DZ260/HDZ278) |
| C774 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (DZ260/HDZ278) |
| C775 | 1-126-964-11 | ELECT | 10uF | 20% | 50V (DZ260/HDZ278) |
| C1101 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1102 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C1105 | 1-128-994-21 | ELECT CHIP | 47uF | 20% | 10V |
| C1106 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1108 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1109 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1110 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1111 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| C1112 | 1-128-994-21 | ELECT CHIP | 47uF | 20% | 10V |
| C1113 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1114 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1115 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1116 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1117 | 1-128-994-21 | ELECT CHIP | 47uF | 20% | 10V |
| C1118 | 1-128-994-21 | ELECT CHIP | 47uF | 20% | 10V |
| C1119 | 1-128-994-21 | ELECT CHIP | 47uF | 20% | 10V |
| C1120 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C1121 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C1122 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C1123 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C1124 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C1125 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1126 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1127 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1129 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C1130 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1132 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1133 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1135 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| C1136 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1137 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1138 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C1139 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C1140 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1144 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1145 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C1146 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1147 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C1148 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C1149 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1151 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C1152 | 1-162-916-11 | CERAMIC CHIP | 12PF | 5% | 50V |
| C1153 | 1-162-916-11 | CERAMIC CHIP | 12PF | 5% | 50V |
| C1154 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1155 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1156 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1158 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1159 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1160 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1161 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1162 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1163 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1164 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1165 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1169 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1170 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V |
| C1171 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1172 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1174 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1175 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1176 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1177 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C1179 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1180 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1181 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1182 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C1183 | 1-128-934-11 | CERAMIC CHIP | 0.33uF | 20% | 10V |
| C1184 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1186 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C1187 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C1190 | 1-104-658-11 | ELECT | 100uF | 20% | 10V |
| C1191 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1192 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1193 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C1195 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C1197 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1198 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C1199 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C1203 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1205 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C1206 | 1-164-230-11 | CERAMIC CHIP | 220PF | 5% | 50V |
| C1208 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1209 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| C1210 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1211 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| C1212 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1213 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1214 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C1215 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1217 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C1218 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C1219 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1220 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C1221 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1222 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1223 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1224 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1225 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C1226 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C1233 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C1725 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1727 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C1728 | 1-128-994-21 | ELECT CHIP | 47uF | 20% | 10V |
| C1729 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C1730 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C1731 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C1732 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C1733 | 1-127-715-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C1734 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C2100 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C2101 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (DZ260/DZ270) |
| C2102 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (DZ260/DZ270) |
| C2103 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (DZ260/DZ270) |
| C2108 | 1-127-760-11 | CERAMIC CHIP | 4.7uF | 10% | 6.3V |
| C2109 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| C2110 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| C2112 | 1-126-923-11 | ELECT | 220uF | 20% | 10V (DZ260/DZ270) |
| C2114 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C2115 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C2116 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C2117 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C2118 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C2119 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C2130 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C2502 | 1-164-172-11 | CERAMIC CHIP | 0.0056uF | 10% | 25V |
| C2503 | 1-127-760-11 | CERAMIC CHIP | 4.7uF | 10% | 6.3V |
| C3000 | 1-126-382-11 | ELECT | 100uF | 20% | 16V |
| C3001 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C3002 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3003 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3005 | 1-126-795-11 | ELECT | 10uF | 20% | 50V |
| C3008 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3011 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C3012 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3013 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3014 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3015 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3016 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3017 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3018 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3019 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3020 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3021 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C3022 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3023 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3024 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3025 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3026 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3027 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3028 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3029 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3030 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3031 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C3032 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3033 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C3034 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3035 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3036 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3037 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3038 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3039 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3040 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3051 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3052 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C3053 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3054 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C3055 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C3056 | 1-126-923-11 | ELECT | 220uF | 20% | 10V |
| C3057 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C3058 | 1-162-910-11 | CERAMIC CHIP | 5PF | 0.25PF | 50V |
| C3059 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3060 | 1-162-915-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V |
| C3071 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C3072 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3073 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3081 | 1-126-923-11 | ELECT | 220uF | 20% | 10V |
| C3082 | 1-126-923-11 | ELECT | 220uF | 20% | 10V |
| C3083 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3084 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3085 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3086 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3087 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3088 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3090 | 1-104-658-11 | ELECT | 100uF | 20% | 10V |
| C3091 | 1-126-934-11 | ELECT | 220uF | 20% | 16V |
| C3092 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3093 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3094 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3100 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3103 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3104 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3105 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3106 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3107 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3108 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3109 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3112 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3113 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3114 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3115 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3116 | 1-112-831-11 | ELECT | 2200uF | 20% | 35V (DZ270/HDZ278) |
| C3116 | 1-126-953-11 | ELECT | 2200uF | 20% | 35V (DZ260) |
| C3117 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3122 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3123 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3124 | 1-164-505-11 | CERAMIC CHIP | 2.2uF | | 16V |
| C3125 | 1-164-505-11 | CERAMIC CHIP | 2.2uF | | 16V |
| C3126 | 1-164-505-11 | CERAMIC CHIP | 2.2uF | | 16V |
| C3127 | 1-164-505-11 | CERAMIC CHIP | 2.2uF | | 16V |
| C3128 | 1-164-505-11 | CERAMIC CHIP | 2.2uF | | 16V |
| C3129 | 1-117-370-11 | CERAMIC CHIP | 10uF | | 10V |
| C3150 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3153 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3154 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |

**MAIN**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C3155 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3156 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3157 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3158 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3159 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3162 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3163 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3164 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3165 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3166 | 1-112-831-11 | ELECT | 2200uF | 20% | 35V (DZ270/HDZ278) |
| C3166 | 1-126-953-11 | ELECT | 2200uF | 20% | 35V (DZ260) |
| C3167 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3172 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3173 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3200 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3203 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3204 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3205 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3206 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3207 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3208 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3209 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3212 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3213 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3214 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3215 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3216 | 1-112-831-11 | ELECT | 2200uF | 20% | 35V (DZ270/HDZ278) |
| C3216 | 1-126-953-11 | ELECT | 2200uF | 20% | 35V (DZ260) |
| C3217 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3250 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3253 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3254 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3255 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3256 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3257 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3258 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3259 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3262 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3263 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3264 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3265 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3266 | 1-112-831-11 | ELECT | 2200uF | 20% | 35V (DZ270/HDZ278) |
| C3266 | 1-126-953-11 | ELECT | 2200uF | 20% | 35V (DZ260) |
| C3267 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3300 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3303 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3304 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3305 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3306 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3307 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3308 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3309 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3312 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3313 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3314 | 1-137-198-81 | FILM | 1uF | 5% | 50V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C3315 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3316 | 1-112-831-11 | ELECT | 2200uF | 20% | 35V (DZ270/HDZ278) |
| C3316 | 1-126-953-11 | ELECT | 2200uF | 20% | 35V (DZ260) |
| C3317 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3322 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3323 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3400 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3403 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3404 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3405 | 1-107-725-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C3406 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3407 | 1-115-185-11 | CERAMIC CHIP | 0.033uF | 10% | 50V |
| C3408 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3409 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3412 | 1-112-246-11 | ELECT | 100uF | 20% | 35V |
| C3413 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3414 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3415 | 1-137-198-81 | FILM | 1uF | 5% | 50V |
| C3416 | 1-112-831-11 | ELECT | 2200uF | 20% | 35V (DZ270/HDZ278) |
| C3416 | 1-126-953-11 | ELECT | 2200uF | 20% | 35V (DZ260) |
| C3417 | 1-104-329-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3422 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3423 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3551 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C3552 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C3553 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3556 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C3561 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C3901 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3902 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3903 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3904 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3911 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V |
| C3912 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V |
| C3913 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V |
| C3914 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V |
| C4501 | 1-117-370-11 | CERAMIC CHIP | 10uF | | 10V |
| C4503 | 1-104-658-11 | ELECT | 100uF | 20% | 10V |
| C4504 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C9972 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |

< CONNECTOR >

| | Ref. No. | Part No. | Description |
|---|---|---|---|
| | CN204 | 1-817-615-21 | CONNECTOR, SQUARE TYPE (RECE) 18P (DMPORT) (DZ260/HDZ278) |
| | CN502 | 1-820-117-41 | CONNECTOR, FFC/FPC 19P |
| | CN504 | 1-784-861-51 | CONNECTOR, FFC (LIF(NON-ZIF)) 9P |
| | CN602 | 1-820-117-41 | CONNECTOR, FFC/FPC 19P (DZ260) |
| | CN603 | 1-820-116-41 | CONNECTOR, FFC/FPC 17P (DZ270/HDZ278) |
| | CN702 | 1-779-273-11 | CONNECTOR, FFC (LIF(NON-ZIF)) 5P |
| | CN1101 | 1-815-763-32 | CONNECTOR, FFC/FPC 24P |
| * | CN1105 | 1-564-708-11 | PIN, CONNECTOR (SMALL TYPE) 6P |
| * | CN1201 | 1-564-708-11 | PIN, CONNECTOR (SMALL TYPE) 6P |
| | CN1202 | 1-784-365-51 | CONNECTOR, FFC/FPC 5P |
| | CN1701 | 1-821-755-11 | CONNECTOR, HDMI 19P (HDMI OUT) |
| | CN2101 | 1-564-707-11 | PIN, CONNECTOR (SMALL TYPE) 5P (DZ260/DZ270) |
| | CN3000 | 1-564-704-41 | PIN, CONNECTOR (SMALL TYPE) 2P |
| | CN3001 | 1-564-706-11 | PIN, CONNECTOR (SMALL TYPE) 4P |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| CN4301 | 1-820-117-41 | CONNECTOR, FFC/FPC 19P (DZ260) | |
| CN4302 | 1-820-116-41 | CONNECTOR, FFC/FPC 17P (HDZ278) | |
| CN4303 | (Not supplied) | CONNECTOR, FFC/FPC 15P (DZ270) | |
| | | < DIODE > | |
| D501 | 6-501-817-01 | DIODE MA2J1110GLS0 | |
| D502 | 6-500-334-01 | DIODE MC2836-T112-1 | |
| D505 | 6-500-334-01 | DIODE MC2836-T112-1 | |
| D701 | 6-501-579-01 | DIODE MC2837 | |
| D2101 | 6-501-749-01 | DIODE MAZ8082G0LS0 (DZ260/DZ270) | |
| D2102 | 6-501-740-01 | DIODE MAZ8068G0LS0 (DZ260/DZ270) | |
| D2103 | 6-501-740-01 | DIODE MAZ8068G0LS0 (DZ260/DZ270) | |
| D3071 | 6-501-817-01 | DIODE MA2J1110GLS0 | |
| D3072 | 6-501-817-01 | DIODE MA2J1110GLS0 | |
| D3073 | 6-501-817-01 | DIODE MA2J1110GLS0 | |
| D3551 | 6-501-579-01 | DIODE MC2837 | |
| D3552 | 6-501-774-01 | DIODE MAZ8150G0LS0 | |
| D4111 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4112 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4151 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4152 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4201 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4202 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4251 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4252 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4301 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4302 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4401 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D4402 | 6-501-696-01 | DIODE RSA39LTE25 | |
| D9712 | 6-501-817-01 | DIODE MA2J1110GLS0 | |
| | | < FERRITE BEAD > | |
| FB505 | 1-469-365-21 | INDUCTOR, FERRITE BEAD FBMJ2125 | |
| FB506 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB508 | 1-469-365-21 | INDUCTOR, FERRITE BEAD FBMJ2125 | |
| FB510 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB1106 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB1107 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB1108 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB1109 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB1111 | 1-469-670-21 | FERRITE, EMI (SMD) (2012) | |
| FB1112 | 1-469-670-21 | FERRITE, EMI (SMD) (2012) | |
| FB1113 | 1-469-670-21 | FERRITE, EMI (SMD) (2012) | |
| FB1115 | 1-469-670-21 | FERRITE, EMI (SMD) (2012) | |
| FB1116 | 1-469-670-21 | FERRITE, EMI (SMD) (2012) | |
| FB1117 | 1-469-670-21 | FERRITE, EMI (SMD) (2012) | |
| FB1118 | 1-469-670-21 | FERRITE, EMI (SMD) (2012) | |
| FB2101 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB2102 | 1-469-379-11 | FERRITE, EMI (SMD) (2012) (DZ260/DZ270) | |
| FB2103 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB2104 | 1-469-379-11 | FERRITE, EMI (SMD) (2012) (DZ260/DZ270) | |
| FB2105 | 1-469-379-11 | FERRITE, EMI (SMD) (2012) (DZ260/DZ270) | |
| FB2120 | 1-469-118-21 | FERRITE, EMI (SMD) (1608) | |
| FB2121 | 1-469-118-21 | FERRITE, EMI (SMD) (1608) | |
| FB2122 | 1-469-118-21 | FERRITE, EMI (SMD) (1608) | |
| FB2124 | 1-469-118-21 | FERRITE, EMI (SMD) (1608) | |
| FB2125 | 1-469-118-21 | FERRITE, EMI (SMD) (1608) | |
| | | < FILTER > | |
| FL4501 | 1-234-177-21 | FILTER, CHIP EMI | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < IC > | |
| IC201 | 6-705-308-01 | IC SI-3010KM-TL (DZ260/HDZ278) | |
| IC202 | 8-759-710-97 | IC NJM4565M-D (DZ260/HDZ278) | |
| IC301 | 6-600-466-01 | IC TORX147L(SONY) (TV (DIGITAL IN OPTICAL)) | (DZ260) |
| IC301 | 6-600-466-01 | IC TORX147L(SONY) (TV/VIDEO (DIGITAL IN OPTICAL)) (HDZ278) | |
| IC302 | 6-706-492-01 | IC TC7SHU04FU(T5RSOJF) (DZ260/HDZ278) | |
| IC501 | (Not supplied) | IC R5F3640DDFA | |
| IC502 | 6-705-338-01 | IC TK11250CMCL-G | |
| IC503 | 6-708-922-01 | IC PST3635NR | |
| IC504 | 6-705-308-01 | IC SI-3010KM-TL (DZ260/DZ270) | |
| IC505 | 6-705-308-01 | IC SI-3010KM-TL | |
| IC506 | 6-705-308-01 | IC SI-3010KM-TL | |
| IC507 | 6-705-337-01 | IC TK11150CSCL-G | |
| IC510 | (Not supplied) | IC S-24CS16A0I-J8T1G | |
| IC702 | 8-759-825-15 | IC LC89056W-E (DZ260/HDZ278) | |
| IC707 | 6-710-554-01 | IC PCM1808PWR | |
| IC1101 | 6-711-522-01 | IC CXD9917R (DZ260/DZ270) | |
| IC1101 | 6-711-953-01 | IC CXD9927R (HDZ278) | |
| IC1102 | 6-807-956-01 | IC S29AL032D70TF-OHI1-0801UC | (AR,MX,US,CND) |
| IC1102 | 6-8079-570-A | IC S29AL032D70TF-OHI1-0801CE | (AEP,UK,E3,E12,E15,AUS) |
| IC1103 | (Not supplied) | IC S-24CS64A01-J8T1G | |
| IC1104 | 6-707-897-01 | IC EDS6416AHTA-75-E | |
| IC1105 | 6-702-302-01 | IC TK11133CSCL-G | |
| IC1107 | 6-702-302-01 | IC TK11133CSCL-G | |
| IC1110 | 6-707-739-01 | IC MM1661JTRE | |
| IC1201 | 6-704-524-01 | IC FAN8036L | |
| IC1705 | 8-759-592-47 | IC TC7SZ08FU(TE85R) | |
| IC1707 | 6-705-337-01 | IC TK11150CSCL-G | |
| IC1708 | 6-702-302-01 | IC TK11133CSCL-G | |
| IC2101 | 8-759-700-07 | IC NJM2903M (DZ260/DZ270) | |
| IC3001 | 8-759-710-97 | IC NJM4565M-D | |
| IC3003 | 8-759-680-48 | IC TC7WH157FK(TE85R) | |
| IC3010 | 6-705-979-01 | IC CXD9788AR | |
| IC3020 | 6-705-979-01 | IC CXD9788AR | |
| IC3030 | 6-705-979-01 | IC CXD9788AR | |
| IC3050 | 6-702-300-01 | IC TK11118CSCL-G | |
| IC3051 | 6-709-888-01 | IC TC7WHU04FK(T5RSOYF) | |
| IC3100 | 6-708-921-01 | IC CXD9883M | |
| IC3150 | 6-708-921-01 | IC CXD9883M | |
| IC3200 | 6-708-921-01 | IC CXD9883M | |
| IC3250 | 6-708-921-01 | IC CXD9883M | |
| IC3300 | 6-708-921-01 | IC CXD9883M | |
| IC3400 | 6-708-921-01 | IC CXD9883M | |
| IC4502 | 6-707-853-01 | IC TC74LCX541FT(EKJ) | |
| | | < JACK > | |
| J302 | 1-784-431-11 | JACK, PIN 1P (TV (DIGITAL IN COAXIAL)) (DZ260) | |
| J302 | 1-784-431-11 | JACK, PIN 1P (TV/VIDEO (DIGITAL IN COAXIAL)) | (HDZ278) |
| | | < COIL > | |
| L200 | 1-469-525-11 | INDUCTOR 10uH (DZ260/HDZ278) | |
| L301 | 1-469-525-11 | INDUCTOR 10uH (DZ260/HDZ278) | |
| L302 | 1-469-525-11 | INDUCTOR 10uH (DZ260/HDZ278) | |
| L701 | 1-469-525-11 | INDUCTOR 10uH | |
| L702 | 1-469-525-11 | INDUCTOR 10uH (DZ260/HDZ278) | |

When IC501, IC510 and IC1103 on the Main board are damaged, exchange the new Main board for the Main board which IC damaged.

## MAIN

| | Ref. No. | Part No. | Description | Remark |
|---|---|---|---|---|
| | L703 | 1-469-525-11 | INDUCTOR 10uH (DZ260/HDZ278) | |
| | L1701 | 1-457-374-21 | COIL, COMMON MODE CHOKE (DZ260/DZ270) | |
| * | L1701 | 1-813-308-11 | COIL, COMMON MODE CHOKE (HDZ278) | |
| | L1702 | 1-457-374-21 | COIL, COMMON MODE CHOKE (DZ260/DZ270) | |
| * | L1702 | 1-813-308-11 | COIL, COMMON MODE CHOKE (HDZ278) | |
| | L1703 | 1-457-374-21 | COIL, COMMON MODE CHOKE (DZ260/DZ270) | |
| * | L1703 | 1-813-308-11 | COIL, COMMON MODE CHOKE (HDZ278) | |
| | L1704 | 1-457-374-21 | COIL, COMMON MODE CHOKE (DZ260/DZ270) | |
| * | L1704 | 1-813-308-11 | COIL, COMMON MODE CHOKE (HDZ278) | |
| | L2101 | 1-457-374-21 | COIL, COMMON MODE CHOKE (DZ260/DZ270) | |
| | L3000 | 1-469-527-11 | INDUCTOR 47uH | |
| | L3051 | 1-469-525-11 | INDUCTOR 10uH | |
| | L3052 | 1-469-525-11 | INDUCTOR 10uH | |
| | L3053 | 1-469-525-11 | INDUCTOR 10uH | |
| | L3054 | 1-412-939-11 | INDUCTOR 1uH | |
| | L3101 | 1-457-579-11 | COIL, CHOKE 10uH | |
| | L3102 | 1-457-579-11 | COIL, CHOKE 10uH | |
| | L3201 | 1-457-579-11 | COIL, CHOKE 10uH | |
| | L3202 | 1-457-579-11 | COIL, CHOKE 10uH | |
| | L3301 | 1-457-579-11 | COIL, CHOKE 10uH | |
| | L3401 | 1-457-579-11 | COIL, CHOKE 10uH | |
| | L3901 | 1-457-078-11 | COIL, AIR-CORE | |
| | L3902 | 1-457-077-11 | COIL, AIR-CORE | |
| | L3903 | 1-457-078-11 | COIL, AIR-CORE | |
| | L3904 | 1-457-077-11 | COIL, AIR-CORE | |
| | L4501 | 1-469-527-11 | INDUCTOR 47uH | |
| | | | < TRANSISTOR > | |
| | Q503 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| | Q631 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| | Q632 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| | Q1101 | 6-550-008-01 | TRANSISTOR UM6K1N-TN | |
| | Q1102 | 6-550-653-01 | TRANSISTOR QST8TR | |
| | Q1103 | 8-729-027-52 | TRANSISTOR DTC124EKA-T146 | |
| | Q1701 | 6-550-008-01 | TRANSISTOR UM6K1N-TN | |
| | Q3000 | 8-729-111-29 | TRANSISTOR 2SD1616A-K | |
| | Q3001 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| | Q3002 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| | Q3081 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| | Q3101 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3102 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3151 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3152 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3201 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3202 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3251 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3252 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3301 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3302 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3401 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3402 | 6-551-696-01 | TRANSISTOR ISA1235AC1TP-1EF | |
| | Q3551 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| | Q3552 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| | Q3553 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| | Q3554 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| | Q3555 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| | Q9724 | 6-551-699-01 | TRANSISTOR ISA1602AM1TP-1EF | |
| | Q9726 | 8-729-620-13 | TRANSISTOR 2SC4154TP-1EF | |
| | Q9728 | 8-729-620-13 | TRANSISTOR 2SC4154TP-1EF | |
| | Q9729 | 8-729-027-43 | TRANSISTOR DTC114EKA-T146 | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < RESISTOR > | | | |
| R203 | 1-218-879-11 | METAL CHIP | 22K | 0.5% 1/10W | (DZ260/HDZ278) |
| R208 | 1-218-879-11 | METAL CHIP | 22K | 0.5% 1/10W | (DZ260/HDZ278) |
| R214 | 1-218-879-11 | METAL CHIP | 22K | 0.5% 1/10W | (DZ260/HDZ278) |
| R215 | 1-218-879-11 | METAL CHIP | 22K | 0.5% 1/10W | (DZ260/HDZ278) |
| R220 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W | (DZ260/HDZ278) |
| R221 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W | (DZ260/HDZ278) |
| R222 | 1-218-885-11 | METAL CHIP | 39K | 0.5% 1/10W | (DZ260/HDZ278) |
| R223 | 1-218-871-11 | METAL CHIP | 10K | 0.5% 1/10W | (DZ260/HDZ278) |
| R227 | 1-218-879-11 | METAL CHIP | 22K | 0.5% 1/10W | (DZ260/HDZ278) |
| R228 | 1-218-879-11 | METAL CHIP | 22K | 0.5% 1/10W | (DZ260/HDZ278) |
| R229 | 1-218-879-11 | METAL CHIP | 22K | 0.5% 1/10W | (DZ260/HDZ278) |
| R230 | 1-218-879-11 | METAL CHIP | 22K | 0.5% 1/10W | (DZ260/HDZ278) |
| R231 | 1-216-827-11 | METAL CHIP | 3.3K | 5% 1/10W | (DZ260/HDZ278) |
| R232 | 1-216-829-11 | METAL CHIP | 4.7K | 5% 1/10W | (DZ260/HDZ278) |
| R317 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W | (DZ260/HDZ278) |
| R318 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W | (DZ260/HDZ278) |
| R319 | 1-216-841-11 | METAL CHIP | 47K | 5% 1/10W | (DZ260/HDZ278) |
| R328 | 1-218-285-11 | METAL CHIP | 75 | 5% 1/10W | (DZ260/HDZ278) |
| R329 | 1-216-817-11 | METAL CHIP | 470 | 5% 1/10W | (DZ260/HDZ278) |
| R501 | 1-216-857-11 | METAL CHIP | 1M | 5% 1/10W | |
| R504 | 1-216-823-11 | METAL CHIP | 1.5K | 5% 1/10W | (UK) |
| R504 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W | (E3,E15) |
| R504 | 1-216-835-11 | METAL CHIP | 15K | 5% 1/10W | (AUS) |
| R504 | 1-216-841-11 | METAL CHIP | 47K | 5% 1/10W | (AR,MX,US,CND) |
| R504 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% 1/10W | (E12) |
| R505 | 1-216-829-11 | METAL CHIP | 4.7K | 5% 1/10W | (AEP) |
| R505 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% 1/10W | (MX) |
| R505 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W | (AR) |
| R505 | 1-216-837-11 | METAL CHIP | 22K | 5% 1/10W | (US,CND) |
| R505 | 1-216-841-11 | METAL CHIP | 47K | 5% 1/10W | (UK,E3,E12,E15,AUS) |
| R506 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W | (DZ260) |
| R506 | 1-216-823-11 | METAL CHIP | 1.5K | 5% 1/10W | (HDZ278) |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R506 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W (DZ270) |
| R507 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (DZ270/HDZ278) |
| R508 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R509 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R510 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R511 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R512 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R513 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R514 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R515 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R516 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R517 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R518 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R519 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R526 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R527 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R528 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R529 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R530 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R531 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R532 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R533 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R534 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R535 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R536 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R537 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R539 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R540 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R541 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (DZ260/DZ270) |
| R542 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R544 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R546 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R547 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R548 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R549 | 1-218-885-11 | METAL CHIP | 39K | 0.5% | 1/10W (DZ260/DZ270) |
| R551 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R552 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R553 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ260/HDZ278) |
| R555 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R556 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R557 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R558 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R559 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R561 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R562 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R563 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R564 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R565 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R566 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R567 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R568 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R569 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R572 | 1-218-851-11 | METAL CHIP | 1.5K | 0.5% | 1/10W (DZ260/DZ270) |
| R573 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W (DZ260/DZ270) |
| R576 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R577 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R578 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R579 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R580 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R581 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R582 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R583 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R584 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R585 | 1-216-864-11 | SHORT CHIP | 0 (DZ260) | | |
| R586 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R587 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R588 | 1-218-885-11 | METAL CHIP | 39K | 0.5% | 1/10W |
| R589 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| R590 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R592 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R593 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R595 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R596 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R597 | 1-218-879-11 | METAL CHIP | 22K | 0.5% | 1/10W |
| R598 | 1-218-851-11 | METAL CHIP | 1.5K | 0.5% | 1/10W |
| R599 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R601 | 1-216-809-11 | METAL CHIP | 100 (DZ260) | 5% | 1/10W |
| R602 | 1-216-809-11 | METAL CHIP | 100 (DZ260) | 5% | 1/10W |
| R603 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R604 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R605 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R606 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R607 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R608 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R609 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R611 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R612 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R613 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R614 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R615 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R616 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R617 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R618 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R619 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R620 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R626 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R627 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R628 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R631 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R632 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R636 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R638 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R639 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R648 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R650 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R691 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R692 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R693 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R694 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R695 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R696 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R697 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R709 | 1-216-864-11 | SHORT CHIP | 0 | | |

**MAIN**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R710 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ260/HDZ278) |
| R713 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W (DZ260/HDZ278) |
| R714 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W (DZ260/HDZ278) |
| R715 | 1-216-830-11 | METAL CHIP | 5.6K | 5% | 1/10W (DZ260/HDZ278) |
| R716 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R717 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R718 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R720 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ260/HDZ278) |
| R721 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R726 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R729 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R730 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R731 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (DZ260/HDZ278) |
| R732 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W (DZ260/HDZ278) |
| R733 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W (DZ260/HDZ278) |
| R734 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R735 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R736 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R737 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ260/HDZ278) |
| R738 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R740 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R741 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R742 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ260/HDZ278) |
| R743 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R744 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R745 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R746 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R747 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R748 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R749 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R750 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R763 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R764 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R765 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R766 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R767 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R768 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R769 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R778 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R780 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R781 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R782 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R783 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R784 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R785 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R788 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R790 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R791 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R793 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R794 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R796 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R797 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R1101 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R1102 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1103 | 1-218-864-11 | METAL CHIP | 5.1K | 0.5% | 1/10W |
| R1105 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1106 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1107 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1108 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R1109 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1110 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R1111 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R1112 | 1-211-977-11 | METAL CHIP | 22 | 0.5% | 1/10W |
| R1113 | 1-211-977-11 | METAL CHIP | 22 | 0.5% | 1/10W |
| R1114 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R1115 | 1-211-977-11 | METAL CHIP | 22 | 0.5% | 1/10W |
| R1116 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1117 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R1118 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R1120 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R1121 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R1123 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1124 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R1125 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R1132 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R1133 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1134 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260) |
| R1135 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1136 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1138 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260) |
| R1139 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1140 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1141 | 1-216-855-11 | METAL CHIP | 680K | 5% | 1/10W |
| R1142 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R1145 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1146 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R1147 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1148 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1151 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1152 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1153 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1154 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1155 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1156 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R1159 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R1160 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R1161 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R1162 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W (DZ260/HDZ278) |
| R1163 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W (DZ260/HDZ278) |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R1164 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W (DZ260/HDZ278) |
| R1165 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W (DZ260/HDZ278) |
| R1171 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R1175 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1176 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1181 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ270) |
| R1182 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ270) |
| R1183 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R1184 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R1185 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R1191 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1193 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1198 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R1204 | 1-216-822-11 | METAL CHIP | 1.2K | 5% | 1/10W |
| R1205 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1206 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1207 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/10W |
| R1208 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R1209 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R1210 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R1212 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1213 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R1214 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R1215 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/10W |
| R1216 | 1-216-834-11 | METAL CHIP | 12K | 5% | 1/10W |
| R1219 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/10W |
| R1220 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1221 | 1-218-889-11 | METAL CHIP | 56K | 0.5% | 1/10W |
| R1222 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R1223 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W |
| R1224 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1225 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W |
| R1226 | 1-218-889-11 | METAL CHIP | 56K | 0.5% | 1/10W |
| R1227 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1228 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1230 | 1-218-893-11 | METAL CHIP | 82K | 0.5% | 1/10W |
| R1231 | 1-218-875-11 | METAL CHIP | 15K | 0.5% | 1/10W |
| R1232 | 1-218-877-11 | METAL CHIP | 18K | 0.5% | 1/10W |
| R1233 | 1-218-883-11 | METAL CHIP | 33K | 0.5% | 1/10W |
| R1234 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R1236 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1237 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1238 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1239 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1243 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R1246 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1247 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R1730 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/10W |
| R1742 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R1744 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R1747 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1748 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1749 | 1-216-824-11 | METAL CHIP | 1.8K | 5% | 1/10W |
| R1750 | 1-216-824-11 | METAL CHIP | 1.8K | 5% | 1/10W |
| R1751 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1752 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1753 | 1-216-864-11 | SHORT CHIP | 0 | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R1754 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1757 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1781 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R1782 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R1783 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1784 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1785 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R1786 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2101 | 1-218-841-11 | METAL CHIP | 560 | 0.5% | 1/10W |
| R2104 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R2108 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/DZ270) | | |
| R2110 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/10W |
| R2114 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R2115 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2117 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ270) |
| R2119 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2120 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R2121 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/DZ270) | | |
| R2123 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/DZ270) | | |
| R2127 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ270) |
| R2128 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ270) |
| R2129 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R2130 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R2131 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/HDZ278) |
| R2133 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2134 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2136 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W (DZ260/HDZ278) |
| R2150 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R2151 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R2152 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R2154 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ270) |
| R2155 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R2156 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R2157 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R2158 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R2159 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R2160 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R2161 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R2162 | 1-216-864-11 | SHORT CHIP | 0 (DZ260/HDZ278) | | |
| R2167 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2168 | 1-216-815-11 | METAL CHIP | 330 | 5% | 1/10W |
| R2176 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2177 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R2178 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R2179 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R2180 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R2181 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ270) |
| R2182 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2184 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R2185 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R2188 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2189 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (DZ270) |

**MAIN**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R2191 | 1-245-287-11 | METAL CHIP | 0.1 | 1% | 1W (DZ260/DZ270) |
| R2192 | 1-218-835-11 | METAL CHIP | 330 | 0.5% | 1/10W (DZ260/DZ270) |
| R2193 | 1-218-883-11 | METAL CHIP | 33K | 0.5% | 1/10W (DZ260/DZ270) |
| R2194 | 1-218-883-11 | METAL CHIP | 33K | 0.5% | 1/10W (DZ260/DZ270) |
| R2195 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (DZ260/DZ270) |
| R2201 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2203 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2746 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3001 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3002 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3003 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3004 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R3011 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R3012 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R3013 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3014 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R3015 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3017 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3021 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R3022 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R3023 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R3024 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3026 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3031 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R3032 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R3033 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3034 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R3035 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3037 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3040 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3041 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3042 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3043 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3044 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3047 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3049 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3050 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3051 | 1-216-097-11 | RES-CHIP | 100K | 5% | 1/10W |
| R3052 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R3053 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R3054 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3055 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R3057 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R3058 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3059 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3060 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3061 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3063 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3064 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3065 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3066 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3067 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3068 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3069 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3070 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3071 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3072 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3073 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3074 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3075 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3076 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3077 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3078 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3079 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3080 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3085 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R3086 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R3087 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3088 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3089 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3090 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3091 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R3092 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R3093 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R3094 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R3095 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R3096 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3097 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3098 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R3099 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R3101 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3102 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3103 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3104 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3107 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R3115 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3116 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3125 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3126 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3127 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3151 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3152 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3153 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3154 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3157 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R3165 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3166 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3175 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3176 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3177 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3201 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3202 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3203 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3204 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3207 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R3215 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3216 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3225 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3226 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3227 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3251 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3252 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3253 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3254 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3257 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R3265 | 1-216-864-11 | SHORT CHIP | 0 | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R3266 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3275 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3276 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3277 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3301 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3302 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3303 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3304 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3307 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R3315 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3316 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3325 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3326 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3327 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3403 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3404 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3407 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R3415 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3416 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3425 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3426 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3427 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3501 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3502 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3551 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3552 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R3553 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3554 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3555 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3556 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3558 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3559 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3560 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3561 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R3562 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3563 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R3901 | 1-216-296-11 | SHORT CHIP | 0 | | |
| R3902 | 1-216-296-11 | SHORT CHIP | 0 | | |
| R3905 | 1-216-296-11 | SHORT CHIP | 0 | | |
| R3906 | 1-216-296-11 | SHORT CHIP | 0 | | |
| R3907 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3911 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3912 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3913 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3914 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3917 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3918 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3919 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4501 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R4502 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R4510 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R4511 | 1-216-803-11 | METAL CHIP | 33 | 5% | 1/10W |
| R4512 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R4513 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R4514 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R4515 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R4516 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R4518 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4716 | 1-216-864-11 | SHORT CHIP | 0 (DZ270/HDZ278) | | |
| R4717 | 1-216-864-11 | SHORT CHIP | 0 (DZ270/HDZ278) | | |
| R4718 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4719 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4721 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4805 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R9918 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R9920 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R9922 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R9924 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R9928 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R9929 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R9934 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R9935 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R9941 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/10W |
| R9945 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |

< NETWORK RESISTOR >

| | | |
|---|---|---|
| RB1103 | 1-234-400-21 | CONDUCTOR, NETWORK 0X4 (1005) |
| RB1104 | 1-234-400-21 | CONDUCTOR, NETWORK 0X4 (1005) |
| RB1105 | 1-234-944-21 | RES, NETWORK 47X4 (1005X4) |
| RB1106 | 1-234-944-21 | RES, NETWORK 47X4 (1005X4) |
| RB1107 | 1-234-944-21 | RES, NETWORK 47X4 (1005X4) |
| RB1108 | 1-234-944-21 | RES, NETWORK 47X4 (1005X4) |
| RB1109 | 1-234-400-21 | CONDUCTOR, NETWORK 0X4 (1005) |
| RB1110 | 1-234-400-21 | CONDUCTOR, NETWORK 0X4 (1005) |
| RB1111 | 1-234-400-21 | CONDUCTOR, NETWORK 0X4 (1005) |
| RB1112 | 1-234-400-21 | CONDUCTOR, NETWORK 0X4 (1005) |
| RB1113 | 1-234-400-21 | CONDUCTOR, NETWORK 0X4 (1005) |
| RB1114 | 1-234-400-21 | CONDUCTOR, NETWORK 0X4 (1005) |
| RB1115 | 1-234-400-21 | CONDUCTOR, NETWORK 0X4 (1005) |

< TERMINAL BOARD >

| | | |
|---|---|---|
| TB3901 | 1-780-453-11 | TERMINAL BOARD (SPEAKER) 2P (SPEAKER (CENTER,SUBWOOFER)) |

< VIBRATOR >

| | | |
|---|---|---|
| X501 | 1-795-058-21 | VIBRATOR, CERAMIC (5MHz) |
| X701 | 1-795-692-11 | QUARTZ CRYSTAL UNIT (12.288MHz) (DZ260/HDZ278) |
| X1101 | 1-795-630-11 | VIBRATOR, CRYSTAL (27MHz) |
| X3051 | 1-795-660-21 | QUARTZ CRYSTAL UNIT (49.1MHz) |

**********

MS-203 BOARD

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< CONNECTOR >

| | | |
|---|---|---|
| CN001 | 1-815-412-11 | CONNECTOR, FFC/FPC 5P |

< SWITCH >

| | | |
|---|---|---|
| S001 | 1-786-693-11 | SWITCH, DETECTION (CHUCK/TRAY DETECT) |

**********

## POWER

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | A-1334-282-A | POWER BOARD, COMPLETE (DZ260) | | | |
| | A-1382-421-A | POWER BOARD, COMPLETE (DZ270:E3,E12,E15,AUS,AR) | | | |
| | A-1382-476-A | POWER BOARD, COMPLETE (HDZ278) | | | |
| | A-1382-537-A | POWER BOARD, COMPLETE (DZ270:MX) | | | |
| | | ********** | | | |
| | 1-533-217-41 | HOLDER, FUSE | | | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | | | |
| | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 IT-3 | | | |
| | | < CAPACITOR > | | | |
| ⚠ C901 | 1-165-529-11 | MYLAR | 0.22uF | 10% | 275V |
| ⚠ C902 | 1-165-529-11 | MYLAR | 0.22uF | 10% | 275V |
| ⚠ C903 | 1-112-331-11 | ELECT(BLOCK) | 1000uF | 20% | 250V (MX) |
| ⚠ C903 | 1-112-333-11 | ELECT(BLOCK) | 330uF | 20% | 450V (E3,E12,E15,AUS,AR) |
| ⚠ C903 | 1-114-345-11 | ELECT(BLOCK) | 1000uF | 20% | 200V (US,CND) |
| ⚠ C903 | 1-114-346-11 | ELECT(BLOCK) | 330uF | 20% | 400V (AEP,UK) |
| ⚠ C905 | 1-112-334-11 | FILM | 0.01uF | 5% | 400V (MX,US,CND) |
| ⚠ C905 | 1-112-335-11 | FILM | 0.0033uF | 5% | 400V (EXCEPT MX,US,CND) |
| ⚠ C906 | 1-117-815-11 | FILM | 0.001uF | 3% | 1.5KV (EXCEPT MX,US,CND) |
| C907 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V (EXCEPT MX,US,CND) |
| C907 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V (MX,US,CND) |
| C908 | 1-104-962-11 | ELECT | 47uF | 20% | 35V |
| C909 | 1-162-960-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| C910 | 1-107-906-11 | ELECT | 10uF | 20% | 50V (MX,US,CND) |
| C910 | 1-107-907-11 | ELECT | 22uF | 20% | 50V (EXCEPT MX,US,CND) |
| C911 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C912 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| ⚠ C913 | 1-112-866-51 | CERAMIC | 100PF | 10% | 250V |
| C916 | 1-100-566-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| ⚠ C918 | 1-112-887-51 | CERAMIC | 0.01uF | 20% | 250V |
| ⚠ C920 | 1-112-887-51 | CERAMIC | 0.01uF | 20% | 250V |
| ⚠ C921 | 1-117-220-81 | CERAMIC | 150PF | 5% | 2KV |
| C922 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C923 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| ⚠ C924 | 1-112-335-11 | FILM | 0.0033uF | 5% | 400V |
| ⚠ C925 | 1-107-974-81 | CERAMIC | 47PF | 5% | 2KV |
| ⚠ C926 | 1-128-560-11 | ELECT | 22uF | 20% | 100V |
| C927 | 1-128-947-31 | ELECT | 3300uF | 20% | 10V |
| C928 | 1-137-947-21 | ELECT | 2700uF | 20% | 16V |
| C929 | 1-128-954-11 | ELECT | 1000uF | 20% | 25V |
| ⚠ C930 | 1-112-866-51 | CERAMIC | 100PF | 10% | 250V |
| C932 | 1-100-924-21 | ELECT | 2200uF | 20% | 35V |
| C933 | 1-100-924-21 | ELECT | 2200uF | 20% | 35V |
| C934 | 1-126-953-11 | ELECT | 2200uF | 20% | 35V (DZ260/HDZ278) |
| C935 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V |
| C936 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V |
| C937 | 1-100-756-11 | CERAMIC CHIP | 0.047uF | | 50V |
| ⚠ C938 | 1-112-869-51 | CERAMIC | 470PF | 10% | 250V |
| C939 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C940 | 1-128-950-31 | ELECT | 1000uF | 20% | 16V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C942 | 1-126-941-11 | ELECT | 470uF | 20% | 25V |
| C943 | 1-126-934-11 | ELECT | 220uF | 20% | 16V |
| C945 | 1-126-935-11 | ELECT | 470uF | 20% | 16V |
| C948 | 1-126-925-11 | ELECT | 470uF | 20% | 10V |
| C950 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C951 | 1-100-566-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| ⚠ C963 | 1-112-869-51 | CERAMIC | 470PF | 10% | 250V (EXCEPT MX,US,CND) |
| ⚠ C963 | 1-112-871-51 | CERAMIC | 0.0022uF | 20% | 250V (MX,US,CND) |
| ⚠ C964 | 1-112-869-51 | CERAMIC | 470PF | 10% | 250V (EXCEPT MX,US,CND) |
| ⚠ C964 | 1-112-871-51 | CERAMIC | 0.0022uF | 20% | 250V (MX,US,CND) |
| C969 | 1-100-566-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C970 | 1-100-566-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C971 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C975 | 1-100-566-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C976 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| ⚠ C980 | 1-117-828-11 | FILM | 0.0033uF | 3% | 1.5KV (MX,US,CND) |
| C983 | 1-104-760-11 | CERAMIC CHIP | 0.047uF | 10% | 50V |
| C984 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C990 | 1-100-566-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C991 | 1-100-566-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C992 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C993 | 1-100-566-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C995 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C996 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C997 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| | | < CONNECTOR > | | | |
| CN901 | 1-564-321-00 | PIN, CONNECTOR (3.96mm PITCH) 2P | | | |
| CN904 | 1-785-102-11 | PIN, CONNECTOR (3.96mm PITCH) 4P | | | |
| * CN906 | 1-564-715-11 | PIN, CONNECTOR (SMALL TYPE) 13P | | | |
| | | < DIODE > | | | |
| D901 | 8-719-082-57 | DIODE D5SBA60F01 | | | |
| D902 | 8-719-063-74 | DIODE D1NL20U-TR2 | | | |
| D903 | 6-500-241-01 | DIODE SARS03 | | | |
| D905 | 8-719-063-74 | DIODE D1NL20U-TR2 | | | |
| D906 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D907 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D908 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D909 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D910 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D911 | 8-719-510-12 | DIODE D10SC4M | | | |
| D912 | 8-719-510-41 | DIODE D10SC9M | | | |
| D913 | 6-500-241-01 | DIODE SARS03 | | | |
| D914 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D916 | 6-501-412-01 | DIODE SF5S6 | | | |
| D921 | 6-502-234-01 | DIODE EG01C LF-F7 | | | |
| D922 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D923 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D924 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D931 | 6-501-849-01 | DIODE FMX-22SL | | | |
| D941 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D947 | 6-501-412-01 | DIODE SF5S6 | | | |
| D948 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| D949 | 6-501-817-01 | DIODE MA2J1110GLS0 | | | |
| DZ901 | 6-501-782-01 | DIODE MAZ8180GMLS0 | | | |
| DZ902 | 6-502-231-01 | DIODE MAZ8220GLLSO | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| DZ903 | 6-501-768-01 | DIODE MAZ8120GMLS0 | |
| DZ904 | 6-501-734-01 | DIODE MAZ8056GMLS0 | |
| DZ915 | 6-501-760-01 | DIODE MAZ8100GMLS0 | |
| DZ932 | 6-501-734-01 | DIODE MAZ8056GMLS0 | |
| DZ953 | 6-501-713-01 | DIODE MAZ8033G0LS0 | |
| | | < TERMINAL BOARD > | |
| EB902 | 1-537-770-21 | TERMINAL BOARD, GROUND | |
| EB904 | 1-537-770-21 | TERMINAL BOARD, GROUND | |
| EB907 | 1-537-770-21 | TERMINAL BOARD, GROUND | |
| | | < RESISTOR > | |
| ⚠ FR929 | 1-246-373-11 | FUSIBLE 1 10% 1/2W F | |
| | | < IC > | |
| IC901 | 6-707-741-01 | IC STR-F6138-LF1352 (MX,US,CND) | |
| IC901 | 6-707-742-01 | IC STR-F6168-LF1352 (EXCEPT MX,US,CND) | |
| IC921 | 6-711-790-01 | IC MR4020-7103 | |
| IC922 | 6-707-743-01 | IC TA76L431S(TPE6,Q) | |
| IC931 | 8-759-648-34 | IC TA76431AS(TPE6) | |
| IC941 | 6-705-308-01 | IC SI-3010KM-TL | |
| | | < COIL > | |
| L931 | 1-457-438-11 | COIL, CHOKE 5.6uH | |
| L944 | 1-414-398-11 | INDUCTOR 10uH | |
| L945 | 1-414-398-11 | INDUCTOR 10uH | |
| L947 | 1-414-398-11 | INDUCTOR 10uH | |
| L948 | 1-414-398-11 | INDUCTOR 10uH | |
| L953 | 1-414-398-11 | INDUCTOR 10uH | |
| L954 | 1-457-578-11 | COIL, CHOKE 10uH | |
| L956 | 1-457-578-11 | COIL, CHOKE 10uH | |
| | | < LINE FILTER > | |
| ⚠ LF901 | 1-457-054-21 | COIL, LINE FILTER (EXCEPT MX,US,CND) | |
| ⚠ LF901 | 1-457-449-11 | COIL, LINE FILTER (MX,US,CND) | |
| ⚠ LF902 | 1-457-054-21 | COIL, LINE FILTER (EXCEPT MX,US,CND) | |
| ⚠ LF902 | 1-457-449-11 | COIL, LINE FILTER (MX,US,CND) | |
| | | < PHOTO COUPLER > | |
| PC901 | 6-600-438-01 | PHOTO COUPLER TLP421F(D4-GRJ) | |
| PC902 | 6-600-438-01 | PHOTO COUPLER TLP421F(D4-GRJ) | |
| PC903 | 6-600-276-01 | PHOTO COUPLER PS2561AL1-1-V-W | |
| PC904 | 6-600-276-01 | PHOTO COUPLER PS2561AL1-1-V-W | |
| | | < THERMISTOR (POSITIVE) > | |
| PS954 | 1-802-595-11 | THERMISTOR, POSITIVE MF-R250 | |
| PS956 | 1-802-596-11 | THERMISTOR, POSITIVE MF-R300 | |
| | | < TRANSISTOR > | |
| Q901 | 8-729-201-53 | TRANSISTOR 2SA1015-GR | |
| Q921 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| Q922 | 6-550-702-01 | TRANSISTOR 2SC3243-TP-E | |
| Q930 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| Q931 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| Q932 | 8-729-038-28 | TRANSISTOR RT1N441C-TP-1 | |
| Q943 | 8-729-038-28 | TRANSISTOR RT1N441C-TP-1 | |
| Q945 | 6-550-718-01 | TRANSISTOR RSR025N03TL | |
| Q947 | 8-729-038-28 | TRANSISTOR RT1N441C-TP-1 | |
| Q949 | 8-729-620-07 | TRANSISTOR 2SC3052EF-T1-LEF | |
| Q950 | 8-729-038-28 | TRANSISTOR RT1N441C-TP-1 | |

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| | | < RESISTOR > | | | | |
| ⚠ R901 | 1-219-759-11 | METAL | 1M | 5% | 1/2W | F (MX,US,CND) |
| ⚠ R901 | 1-240-938-11 | METAL | 1.5M | 5% | 1/2W | F (EXCEPT MX,US,CND) |
| ⚠ R903 | 1-215-926-00 | METAL OXIDE | 33K | 5% | 3W | F (MX,US,CND) |
| ⚠ R903 | 1-215-929-11 | METAL OXIDE | 100K | 5% | 3W | F (EXCEPT MX,US,CND) |
| ⚠ R904 | 1-215-926-00 | METAL OXIDE | 33K | 5% | 3W | F (MX,US,CND) |
| ⚠ R904 | 1-215-929-11 | METAL OXIDE | 100K | 5% | 3W | F (EXCEPT MX,US,CND) |
| R905 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W | |
| R906 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W | |
| R907 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | |
| R908 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | |
| R909 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W | |
| R910 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | |
| R911 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W | |
| ⚠ R912 | 1-216-361-61 | METAL OXIDE | 0.22 | 5% | 2W | F (MX,US,CND) |
| ⚠ R912 | 1-216-363-00 | METAL OXIDE | 0.33 | 5% | 2W | F (EXCEPT MX,US,CND) |
| ⚠ R913 | 1-216-361-61 | METAL OXIDE | 0.22 | 5% | 2W | F (MX,US,CND) |
| ⚠ R914 | 1-220-891-11 | METAL | 0.1 | 10% | 5W | F (EXCEPT MX,US,CND) |
| ⚠ R914 | 1-243-669-11 | METAL | 0.05 | 5% | 5W | F (MX,US,CND) |
| ⚠ R916 | 1-215-929-11 | METAL OXIDE | 100K | 5% | 3W | F |
| R917 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | |
| R919 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W | |
| R920 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | |
| R921 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | |
| ⚠ R922 | 1-244-317-71 | METAL | 0.18 | 5% | 2W | F |
| R923 | 1-218-879-11 | METAL CHIP | 22K | 0.5% | 1/10W | |
| R924 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W | |
| R925 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W | |
| R926 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W | |
| R927 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W | |
| R928 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W | |
| R930 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W | |
| R931 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W | |
| R932 | 1-218-879-11 | METAL CHIP | 22K | 0.5% | 1/10W | |
| R933 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | |
| R934 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | |
| R935 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | |
| R936 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/10W | |
| R937 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W | |
| R938 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W | |
| R939 | 1-218-855-11 | METAL CHIP | 2.2K | 0.5% | 1/10W | |
| R940 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W | |
| R941 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W | |
| R942 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W | |
| R945 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W | |
| R946 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W | |
| R949 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | |
| R951 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W | |
| R952 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | |
| R954 | 1-218-861-11 | METAL CHIP | 3.9K | 0.5% | 1/10W | |
| R955 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | |

**POWER** **P-SW** **SPEAKER**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R956 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R957 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R958 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R959 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R960 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R963 | 1-218-839-11 | METAL CHIP | 470 | 0.5% | 1/10W |
| R965 | 1-218-863-11 | METAL CHIP | 4.7K | 0.5% | 1/10W |
| R966 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R967 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R972 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R974 | 1-216-827-11 | METAL CHIP | 3.3K | 5% | 1/10W |
| R975 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W |
| R976 | 1-218-903-11 | METAL CHIP | 220K | 0.5% | 1/10W |
| R978 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R992 | 1-216-793-11 | METAL CHIP | 4.7 | 5% | 1/10W |
| R993 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R994 | 1-216-851-11 | METAL CHIP | 330K | 5% | 1/10W |
| R995 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R998 | 1-218-855-11 | METAL CHIP | 2.2K | 0.5% | 1/10W |
| R999 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| | | < TRANSFORMER > | | | |
| ⚠ T901 | 1-443-649-11 | TRANSFORMER, CONVERTER (MX,US,CND) | | | |
| ⚠ T901 | 1-443-874-11 | TRANSFORMER, CONVERTER (EXCEPT MX,US,CND) | | | |
| ⚠ T903 | 1-445-320-11 | TRANSFORMER, CONVERTER | | | |
| | | < THERMISTOR > | | | |
| ⚠ TH901 | 1-805-841-21 | THERMISTOR, NTC 3.0 (MX,US,CND) | | | |
| ⚠ TH901 | 1-805-842-21 | THERMISTOR, NTC 6.0 (EXCEPT MX,US,CND) | | | |
| | | < VARISTOR > | | | |
| ⚠ VDR901 | 1-805-482-11 | VARISTOR | | | |
| ********** | | | | | |
| | | P-SW BOARD | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C170 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | < SWITCH > | | | |
| S108 | 1-762-875-21 | SWITCH, KEYBOARD (I/⏻) | | | |
| ********** | | | | | |
| | | SPEAKER BOARD | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C173 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V (EXCEPT E12,AR,MX) |
| C174 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C175 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V (EXCEPT E12,AR,MX) |
| C176 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C177 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V (EXCEPT E12,AR,MX) |
| C178 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C179 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V (EXCEPT E12,AR,MX) |
| C180 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C181 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V (EXCEPT E12,AR,MX) |
| C182 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C183 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V (EXCEPT E12,AR,MX) |
| C184 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C185 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V (EXCEPT E12,AR,MX) |
| C186 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C187 | 1-163-021-11 | CERAMIC CHIP | 0.01uF | 10% | 50V (EXCEPT E12,AR,MX) |
| C188 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| | | < CONNECTOR > | | | |
| * CN114 | 1-564-523-11 | PLUG, CONNECTOR 8P | | | |
| | | < TERMINAL BOARD > | | | |
| TB100 | 1-780-454-11 | TERMINAL BOARD (SPEAKER) 4P (SPEAKER (FRONT R,FRONT L,SUR R,SUR L)) | | | |
| ********** | | | | | |
| | | MISCELLANEOUS | | | |
| | | ********** | | | |
| 4 | 1-827-720-11 | WIRE (FLAT TYPE) (11 CORE) (DZ260) | | | |
| 4 | 1-828-955-11 | WIRE (FLAT TYPE) (9 CORE) (DZ270/HDZ278) | | | |
| ⚠ 5 | 1-829-387-11 | CORD, POWER (AR) | | | |
| ⚠ 5 | 1-834-966-21 | CORD, POWER (AEP,E3,E12,E15) | | | |
| ⚠ 5 | 1-834-967-21 | CORD, POWER (AUS) | | | |
| ⚠ 5 | 1-834-978-11 | CORD, POWER (MX,US,CND) | | | |
| ⚠ 5 | 1-835-078-21 | CORD, POWER (UK) | | | |
| ⚠ 10 | 1-569-008-22 | ADAPTOR, CONVERSION 2P (E15) | | | |
| 63 | 1-828-307-11 | WIRE (FLAT TYPE) (9 CORE) | | | |
| 64 | 1-828-363-11 | WIRE (FLAT TYPE) (19 CORE) | | | |
| 106 | 1-828-293-11 | WIRE (FLAT TYPE) (5 CORE) | | | |
| 107 | 1-828-349-11 | WIRE (FLAT TYPE) (17 CORE) (DZ270/HDZ278) | | | |
| 107 | 1-828-359-11 | WIRE (FLAT TYPE) (19 CORE) (DZ260) | | | |
| 108 | 1-828-337-11 | WIRE (FLAT TYPE) (15 CORE) (DZ270) | | | |
| 108 | 1-828-347-11 | WIRE (FLAT TYPE) (17 CORE) (HDZ278) | | | |
| 108 | 1-828-357-11 | WIRE (FLAT TYPE) (19 CORE) (DZ260) | | | |
| 114 | 1-828-287-11 | WIRE (FLAT TYPE) (5 CORE) | | | |
| ⚠ 157 | 8-820-321-05 | OPTICAL PICK-UP KHM-313CAA/C2RP | | | |
| 158 | 1-828-773-51 | WIRE (FLAT TYPE) (24 CORE) | | | |
| ⚠ F901 | 1-533-311-12 | FUSE, GLASS CYLINDRICAL (DIA. 5) (8A/125V) (MX,US,CND) | | | |
| ⚠ F901 | 1-576-233-51 | FUSE (H.B.C.) (T6.3AL/250V) (EXCEPT MX,US,CND) | | | |
| FAN3001 | 1-787-331-11 | FAN, D.C. | | | |
| TU401 | 1-693-759-11 | TUNER (FM/AM) (ANTENNA) (DZ260) | | | |
| TU401 | 1-693-761-11 | TUNER (FM/AM) (ANTENNA) (DZ270) | | | |
| TU401 | 1-693-762-11 | TUNER (FM/AM) (ANTENNA) (HDZ278) | | | |

*MEMO*

## REVISION HISTORY

Checking the version allows you to jump to the revised page.
Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

| Ver. | Date | Description of Revision |
|---|---|---|
| 1.0 | 2008.01 | New |
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